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EIGHT SHILLINGS.

No. XXXII.



ILLUSTRATIONS
OF
BRITISH FUNGI

(HYMENOMYCETES),

To serve as an Atlas to the "Handbook of British
Fungi," by

M. C. COOKE.



WILLIAMS AND NORSGATE,
HENRIETTA STREET, COVENT GARDEN, LONDON.
SOUTH FREDERICK STREET, EDINBURGH.
1885.

ILLUSTRATIONS
OF
BRITISH FUNGI.

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To serve as an Atlas to the "Handbook of British Fungi."

BY

M. C. COOKE, M.A., LL.D., A.L.S.,

President of the Quekett Microscopical Club, and of the Hackney Natural History and Microscopical Society. Fellow of the Botanical Society of Edinburgh. Corresponding Member of the Academy of Natural Sciences, Philadelphia; of the Academy of Science of New York; of the Portland Society of Natural History, Maine; and of the Società Crittogamologica Italiana. Honorary Member of the Cryptogamic Society of Scotland; the Woolhope Field Club; the Hertfordshire Natural History Society; the Norfolk and Norwich Naturalists' Society; the Essex Field Club; the Birmingham Natural History Society; and other Societies.

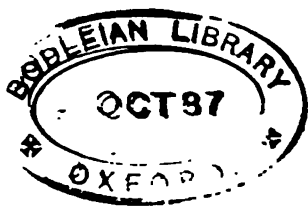
VOL. IV.

London :

WILLIAMS AND NORGATE, HENRIETTA STREET, W.C.

1884-1886.

1911. 5 2.



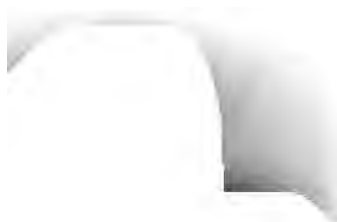




AGARICUS (CLITOPILUS) CANCRINUS. *Fries.*
grassy places. (A) Fortworth, Gloucester, (B) Deerfold Forest.

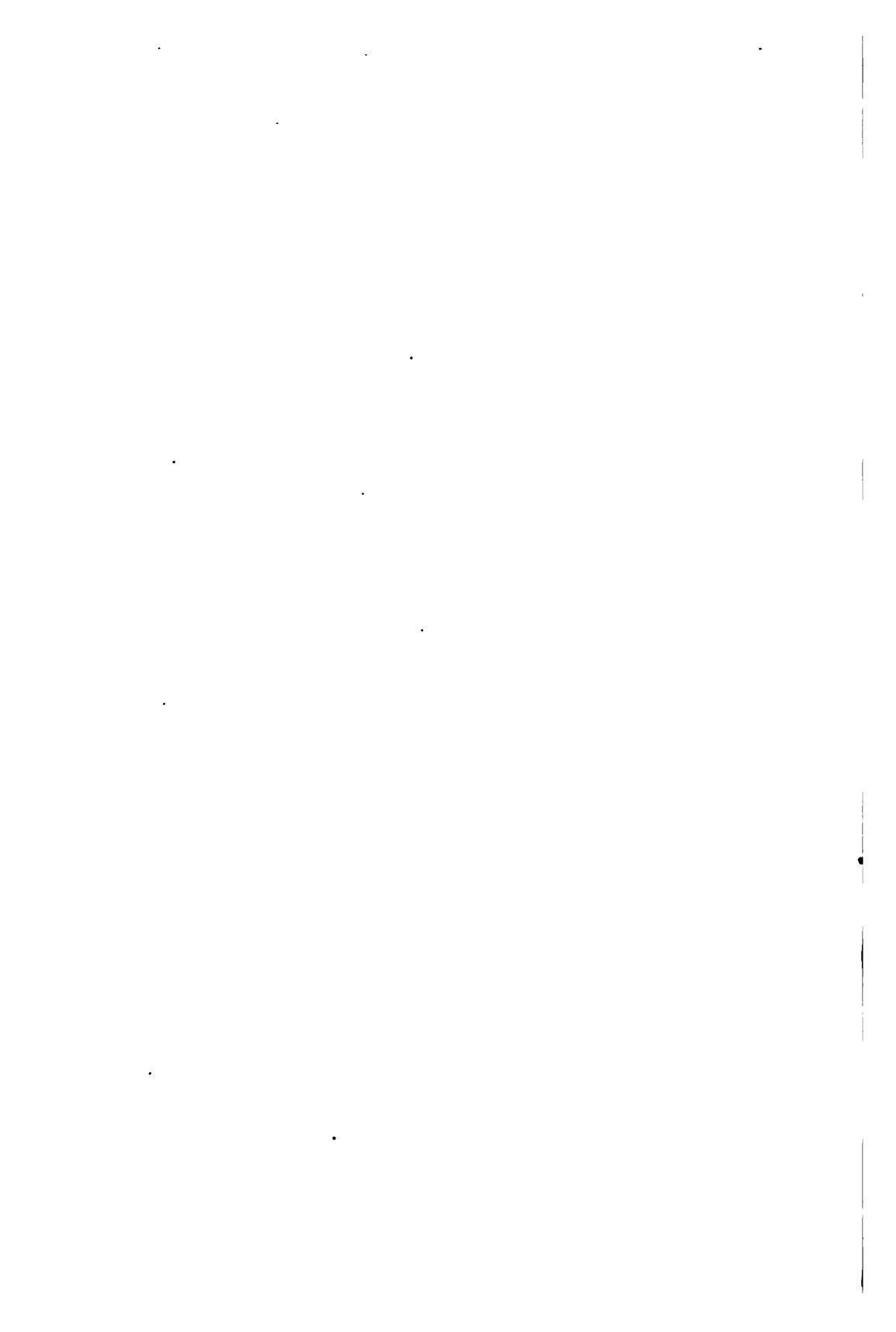








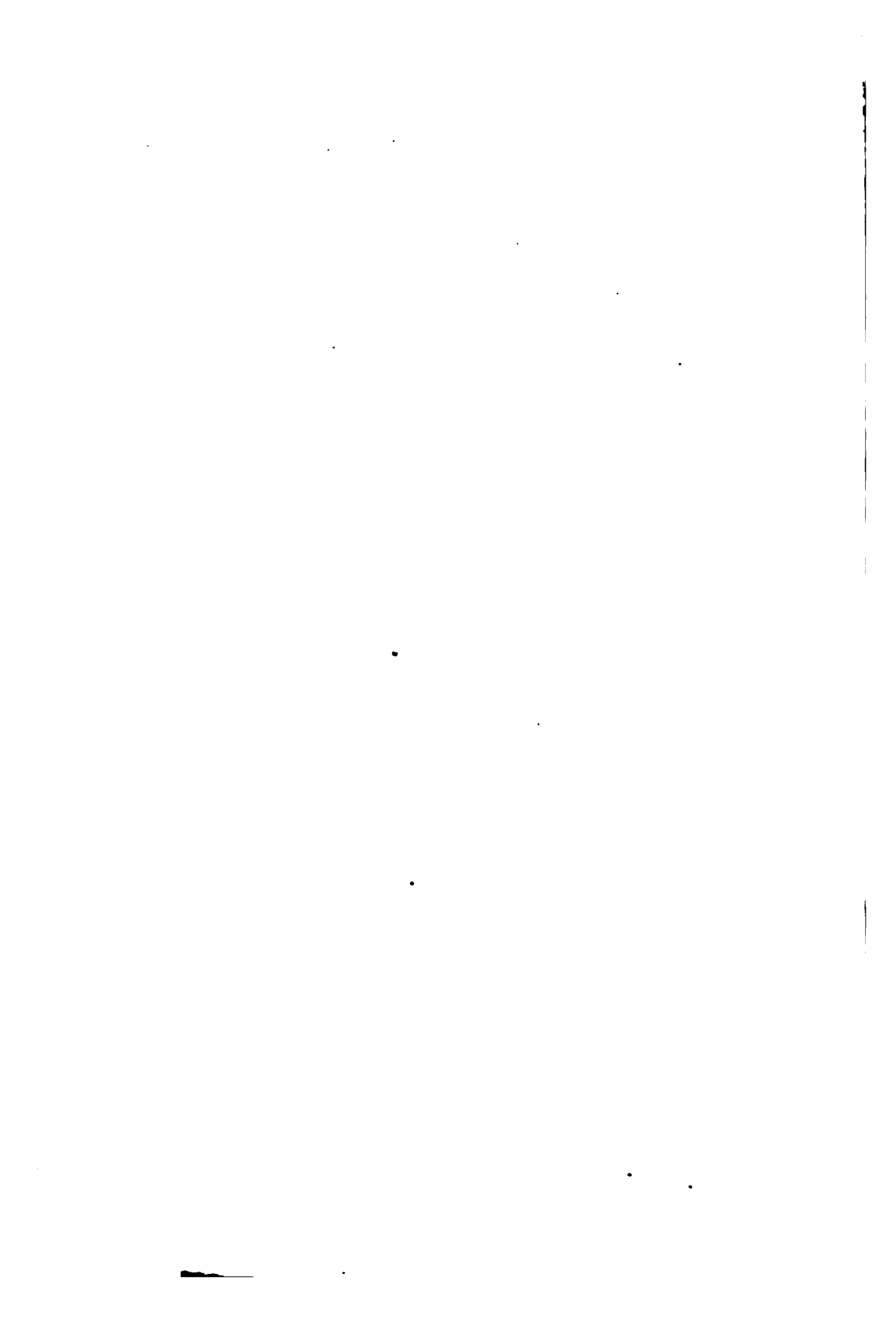
AGARICUS (PHOLIOTA) CRUENTATUS. Cooke & Smith.
on oak stump, and burnt ground. Aug. 1872.





AGARICUS (*PHOLIOTA*) PUMILUS. Fries.
in woods. Lyndhurst. Sept. 1883.

AGARICUS. (*PHOLIOTA*) MYCENOIDES. Fries.
amongst moss, in swamps, &c.





AGARICUS (*INOCYBE*) SCHISTUS. Cooke & Smith.
on lawn. Shrewsbury. May, 1871.



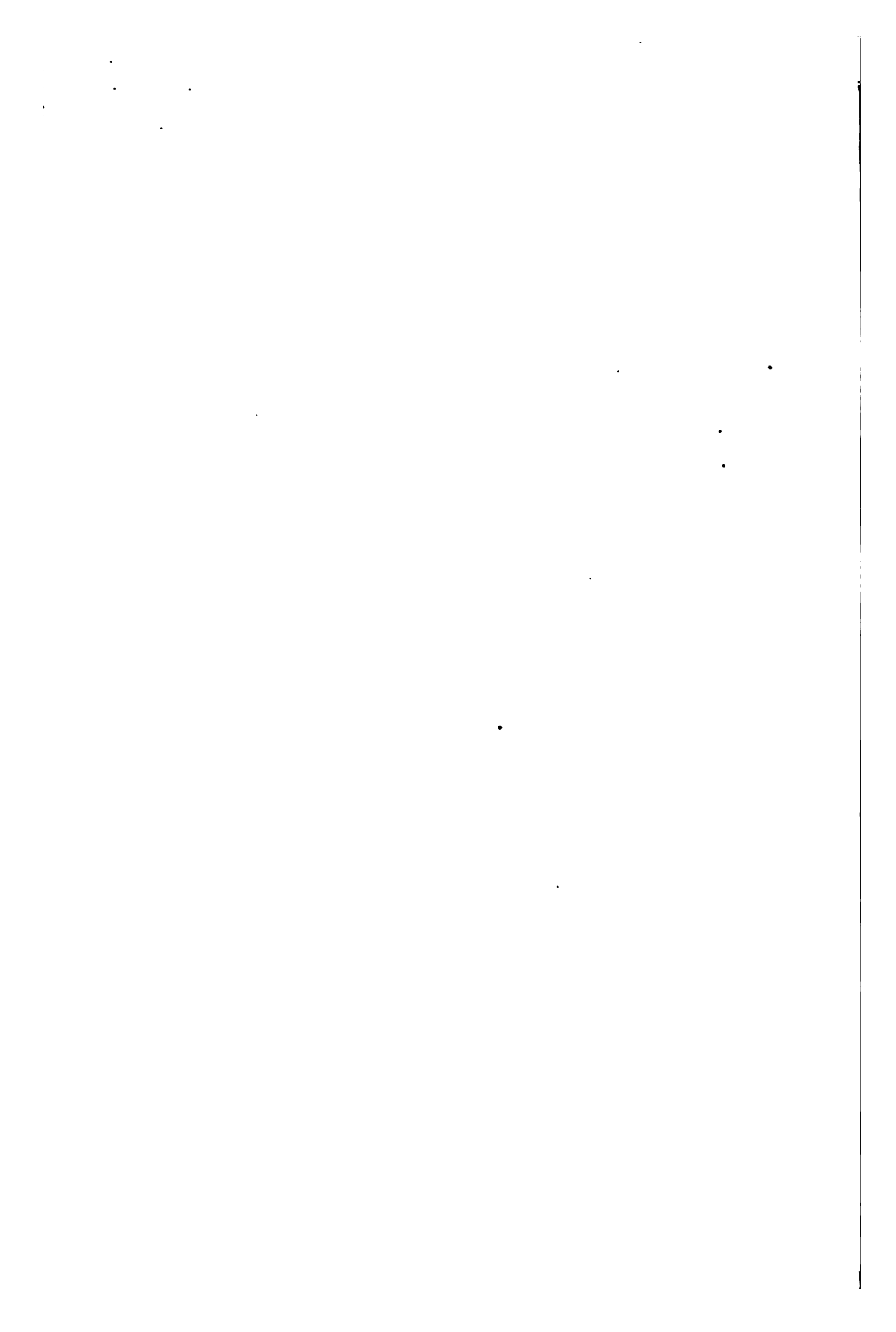


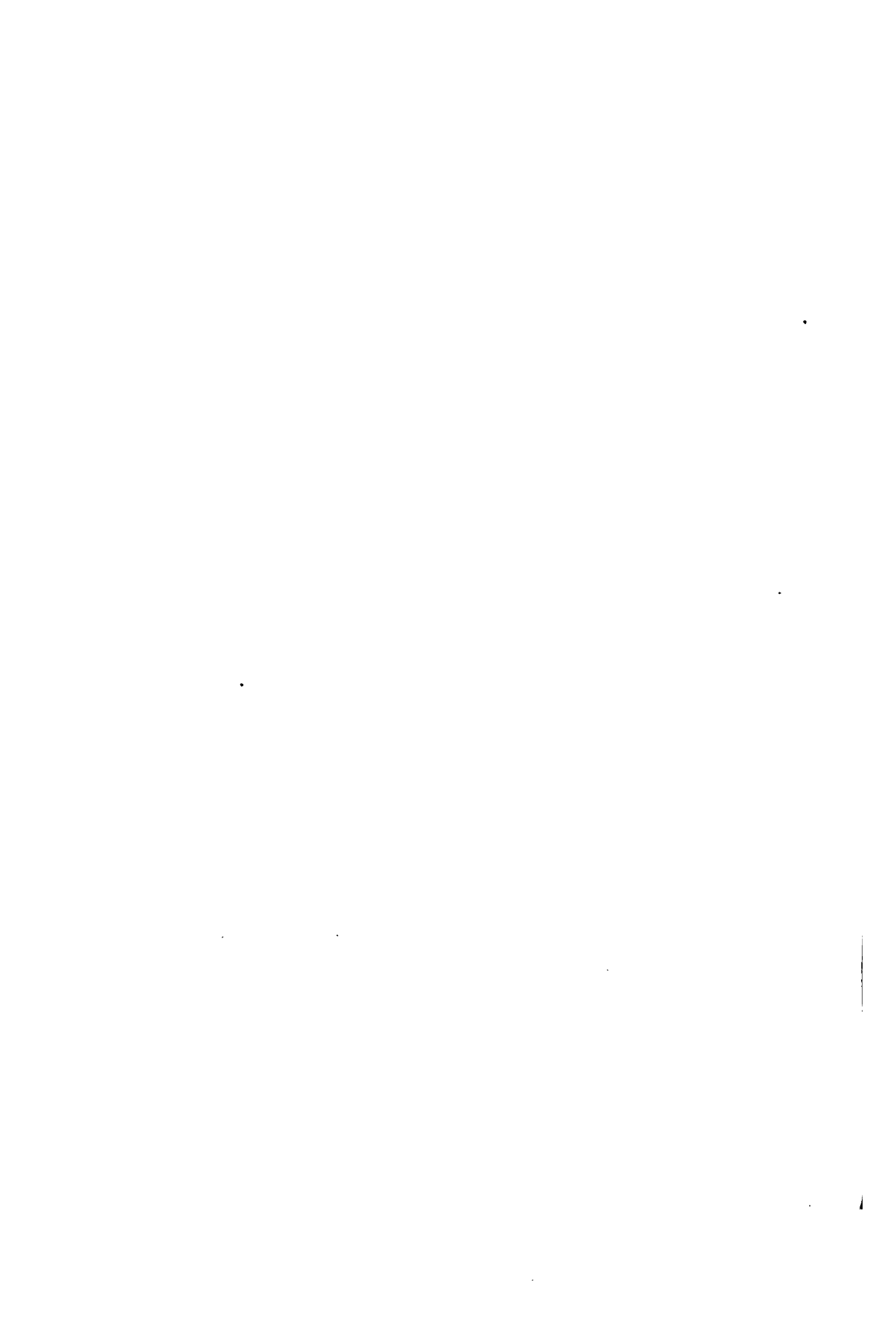
AGARICUS (INOCYBE) MARGARITISPORA. Berk.
on the ground. Coed Coch. Oct. 1876.





AGARICUS (HEBELOMA) SUBCOLLARIATUS. B. & Br. (variety).
grassy roadsides after rain. Stoke Newington. May, 1871.







AGARICUS (HEBELOMA) CRUSTULINIFORMIS. Bull.
on the ground. Alresford, Hants. Sept. 1878.



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AGARICUS (HEBELOMA) PETIGINOSUS. Fries.
amongst grass. Near Hereford. Oct. 1879.



A

*S. long*

AGARICUS (NAUCORIA) SEMIFLEXUS. *B & Br.*
on branches, and the ground.

B



AGARICUS (NAUCORIA) RIMULINCOLA. *Rabh.*
on twigs. *Arcole. Oct. 1889.*

C



M.C.C.

AGARICUS (NAUCORIA) RUBRICATUS. *B & Br.*
on bramble. *Hereford. 1879.*





AGARICUS (NAUCORIA) PORRIGINOSUS. *Fries.*
amongst rubbish, &c. Woodnewton. Oct. 1868.





AGARICUS (NAUCORIA) SOBRIUS. Fries.
on the ground, under bushes. Sept. 1883.



A



AGARICUS (NAUCORIA) CONSPERSUS. Pers.
on sunny slopes. Dinmore. Sept. 1884.

B



M.C.C.

AGARICUS (NAUCORIA) ESCHAROIDES. Fries.
in moist woods. Apethorpe. Sept.

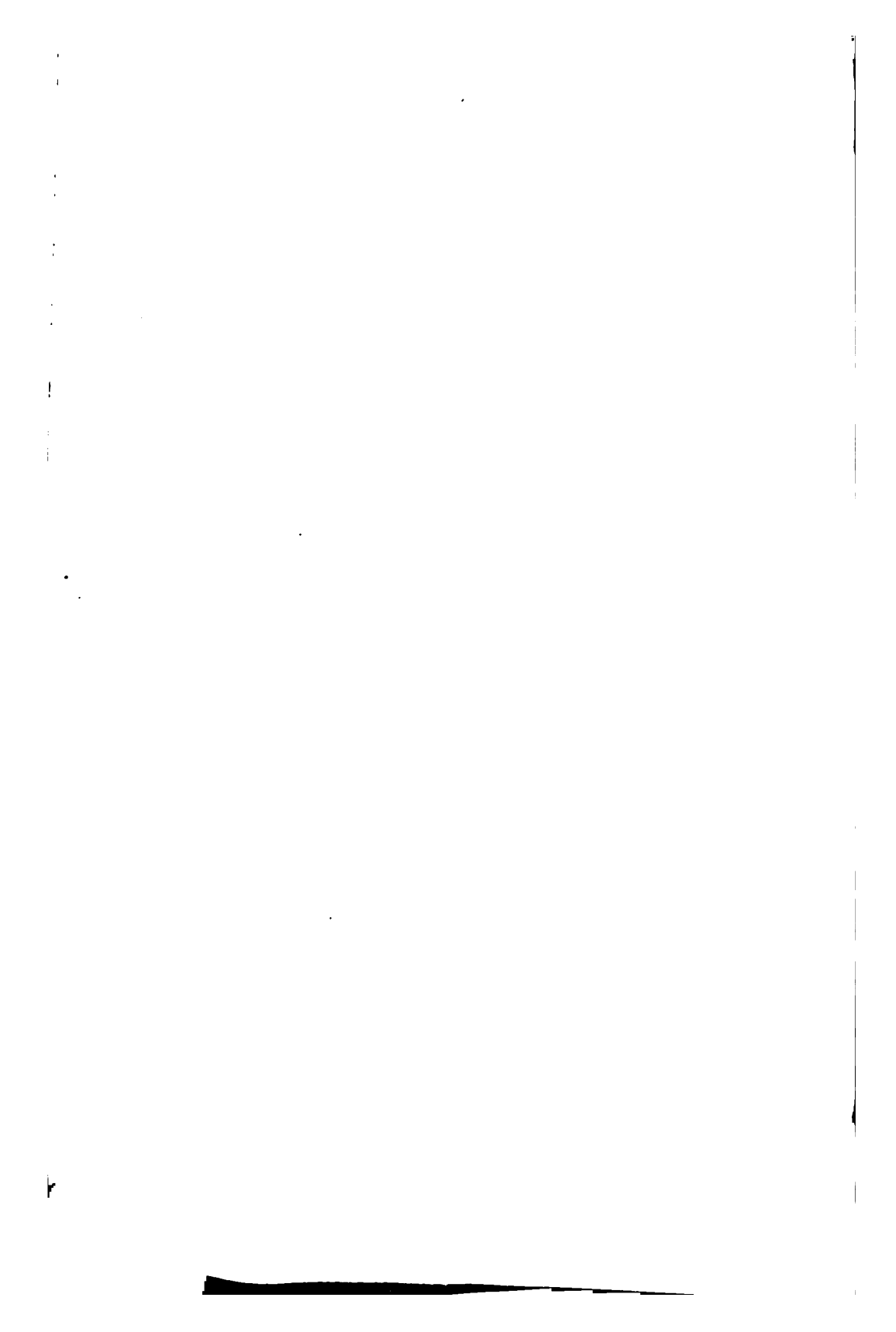


AGARICUS (*NAUCORIA*) CARPOPHILUS. Fr.
on beech mast, leaves, &c. Chingford.



M.C.C.

AGARICUS (*NAUCORIA*) GRAMINICOLA. Nees.
on straw, grass, twigs, &c. Weybridge.





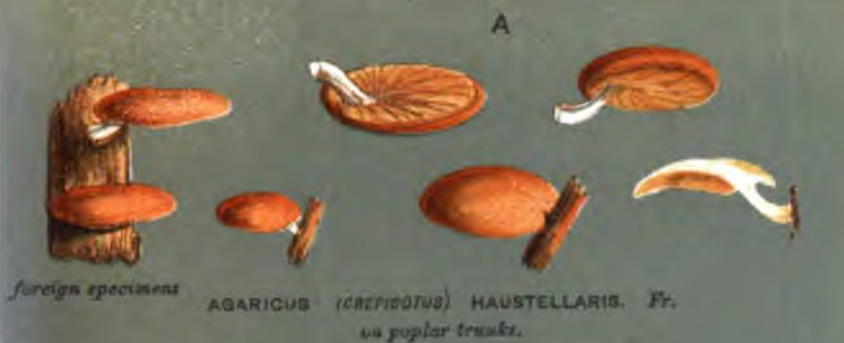


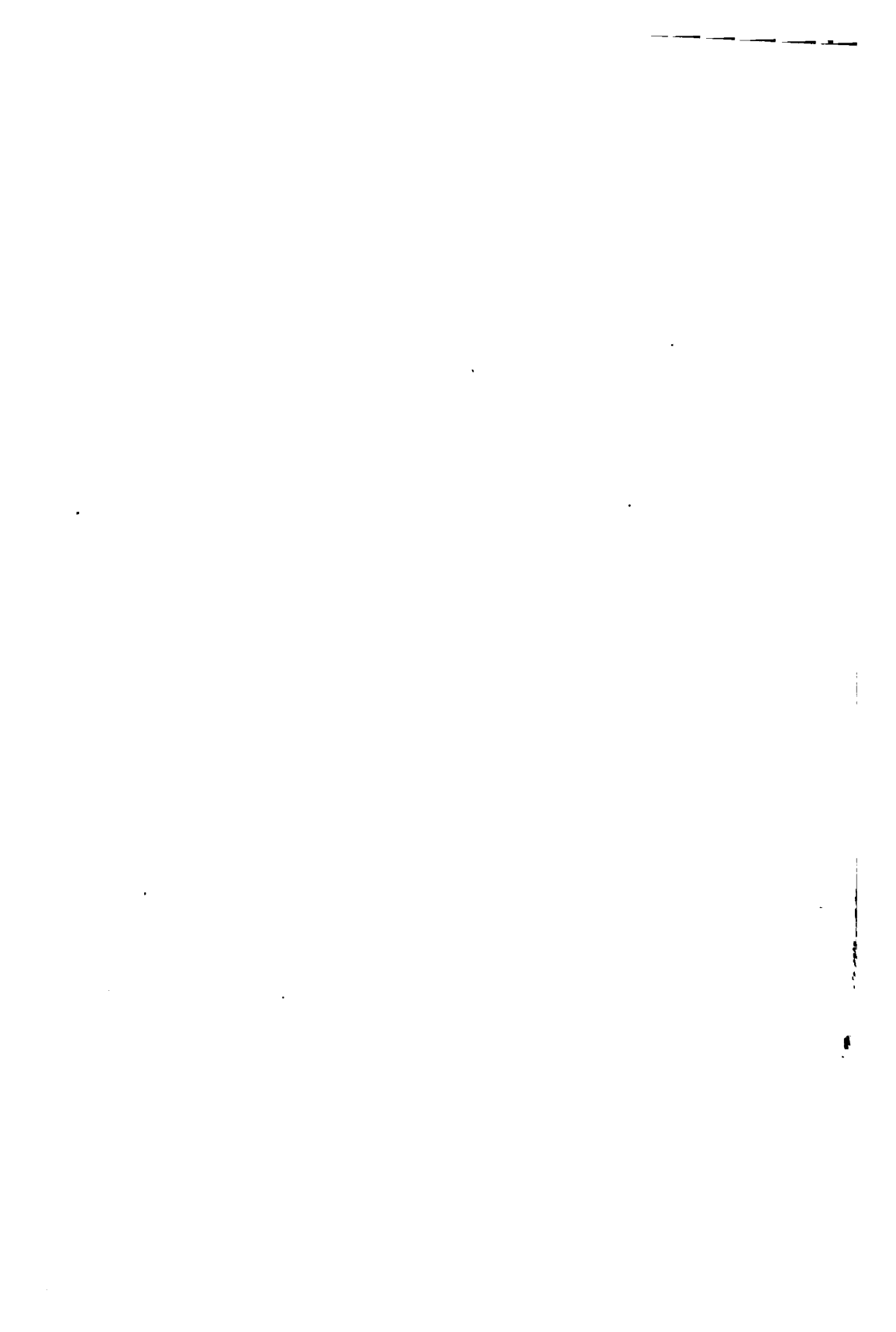
AGARICUS (TUBARIA) EMBOLUS. *Fries.*
amongst grass. *Abergavenny.* Nov. 1871.



AGARICUS (TUBARIA) AUTOCHTHONUS. *B. & Br.*
amongst grass, *Shobden.*

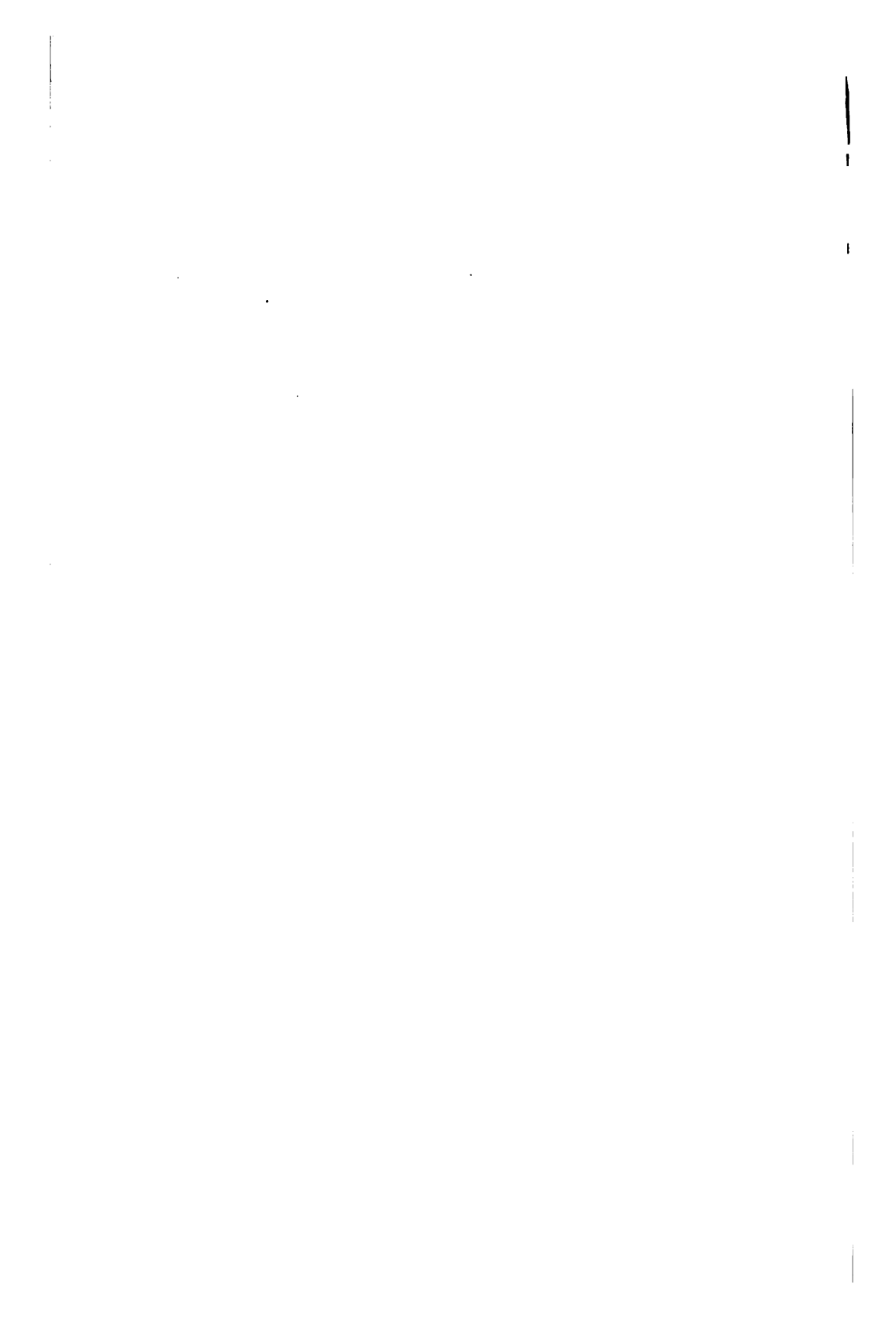














AGARICUS (PLUTEUS) EPHEBIUS. *Fries.*
on rotten wood. *Helmshley, Yorks.*



AGARICUS (PLUTEUS) SEMIBULBOSUS. *Fries.*
on rotten wood. *Near Scarborough.*



G.M.

AGARICUS (PLUTEUS) VIOLARIUS. *Massee.*
on rotten wood. *Scarboro', Yorks.*

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AGARICUS (INOCYBE) PERBREVIS. *Weinm.*
in woods. Near Scarborough', Yorks.



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AGARICUS (INOCYBE) RENNYI. B. & Br.
in woods. Dinsdor Fir Wood. Nov. 1874.





AGARICUS (*PSALLIOTA*) AUGUSTUS. *Fries.*
in an orchard. Staplehurst, Kent. Aug. 1869.

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AGARICUS (*PSALLIOTA*) *ELVENSIS*. *Berk & Br.*
under oaks. Neasden. Sept. 1881.



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AGARICUS (PSALLIOTA) ARVENSIS. Schaff.
in damp marshes. Northamptonshire.

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AGARICUS (PSALLIOTA) CRETACEUS. Fries.
in grassy places. King's Lynn. Feb. 1883.



AGARICUS (PSALLIOTA) PRATENSIS. Schæff.
 amongst grass. Pulborough, Sussex. Oct. 1874.

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AGARICUS (*PSALLIOTA*) CAMPESTRIS. *Linn.*
in parks and pastures. Everywhere.

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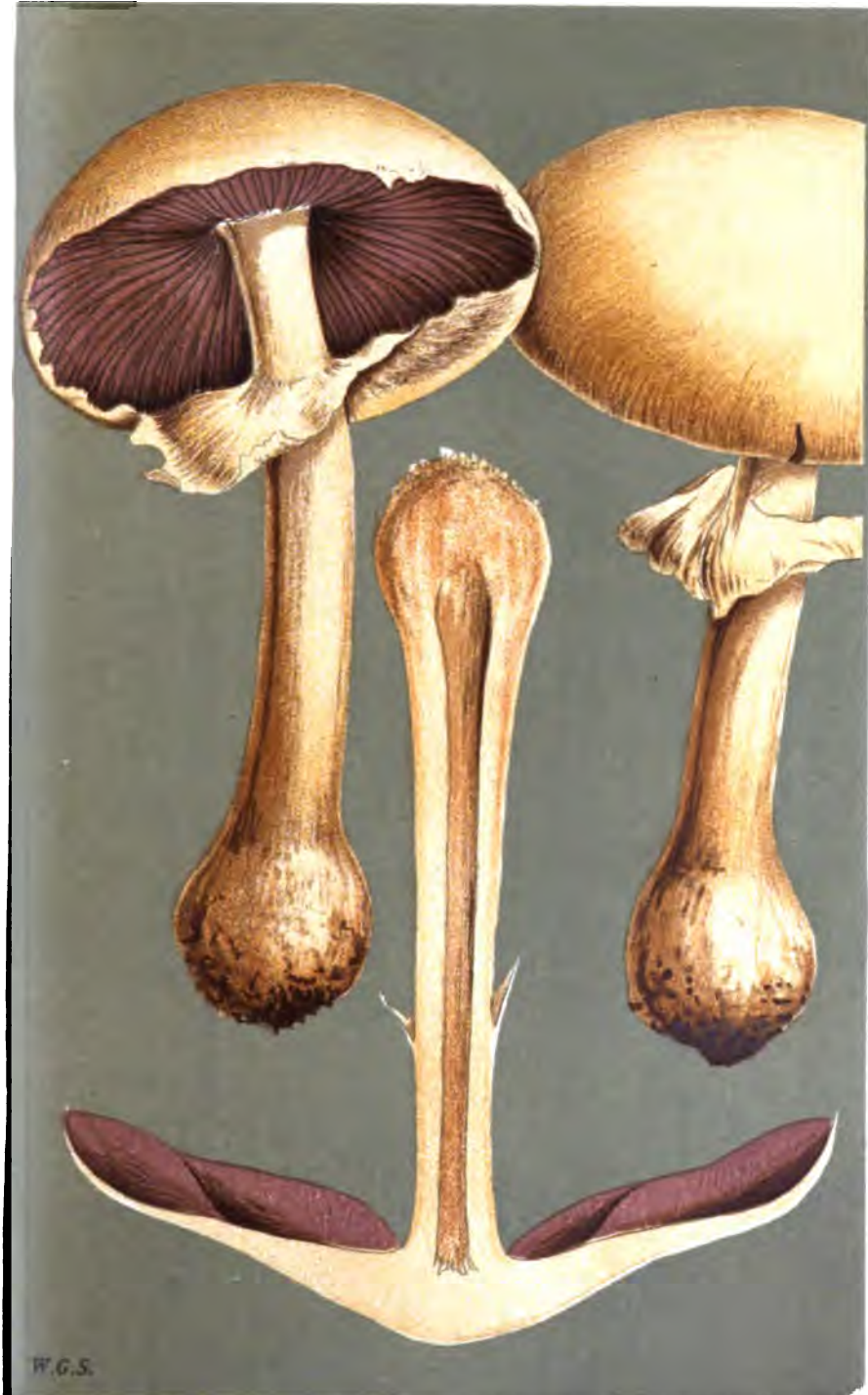
AGARICUS (PSALLIOTA) CAMPESTRIS. *Linn. var. HORTENSIS.*
cultivated variety.





AGARICUS (PSALLIOTA) CAMPESTRIS. Linn. (VARIETIES)
 A. *Penzance.* B. *Mattishall, Norfolk.*





AGARICUS (*PSALLIOTA*) CAMPESTRIS. *Linn.* var. SYLVICOLA. *Vitt.*
in woods. Bishop's Wood, Hampstead. Aug. 1865.

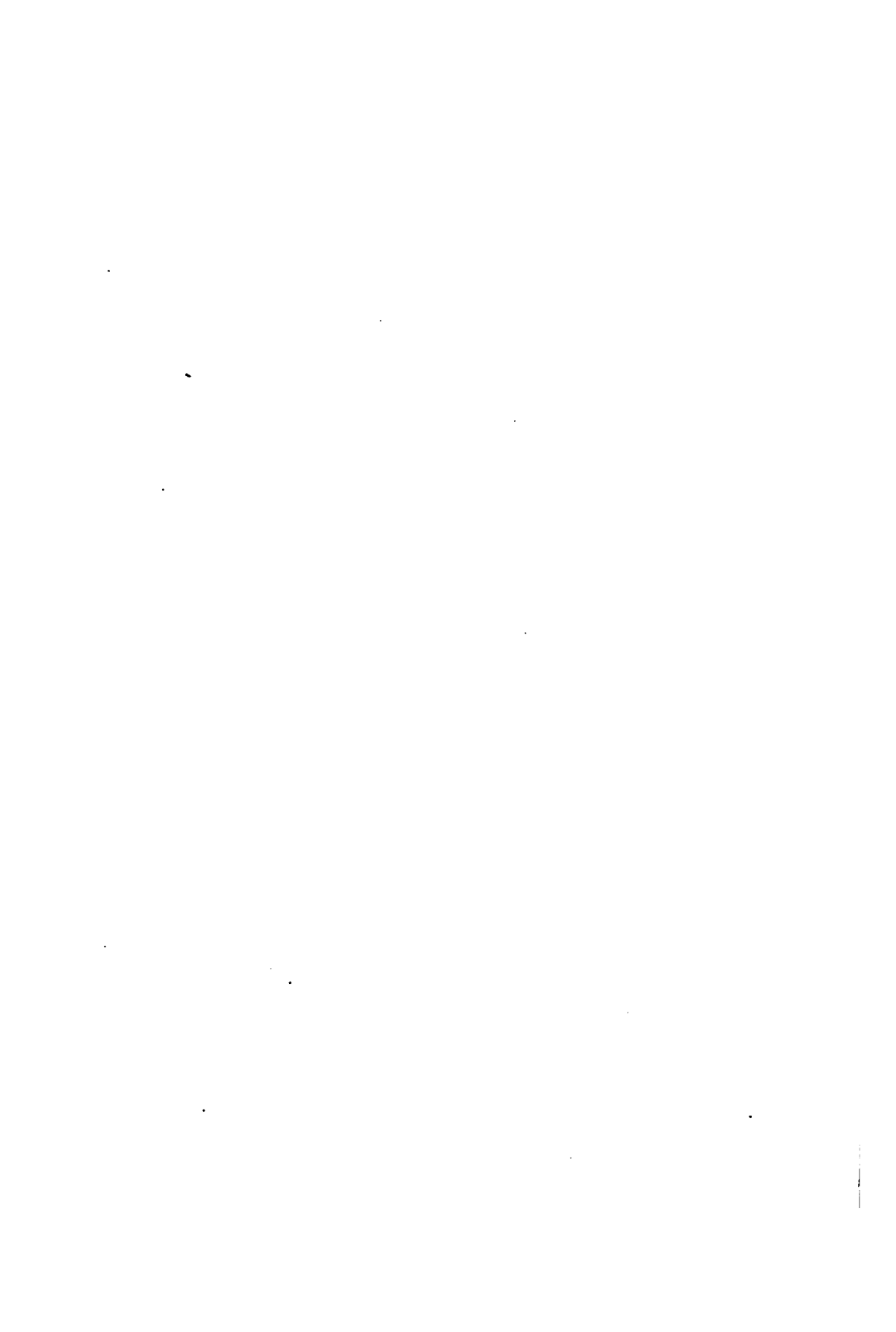




AGARICUS (PSALLIOTA) SYLVATICUS. Schæff.
 A. *Pleasure Grounds, Kew.* B. *Pulborough, Sussex.*



AGARICUS (*PSALLIOTA*) SYLVATICUS. *Schæff.*
A. Pleasure Grounds, Kew. *B.* Pulborough, Sussex.





PRATELLI.



AGARICUS (PSALLIOTA) HÆMORRHOIDARIUS. *Kalch.*
under trees. near Hereford. Oct. 1881.



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AGARICUS (PSALLIOTA) SUBGIBBOSUS. Fries. (VARIETY)
amongst grass. *Pleasure Grounds, Kew.* Sept. 1884.



AGARICUS (PSALLIOTA) COMTULUS. Fries.
amongst grass. Kew Gardens. Sept. 1882.

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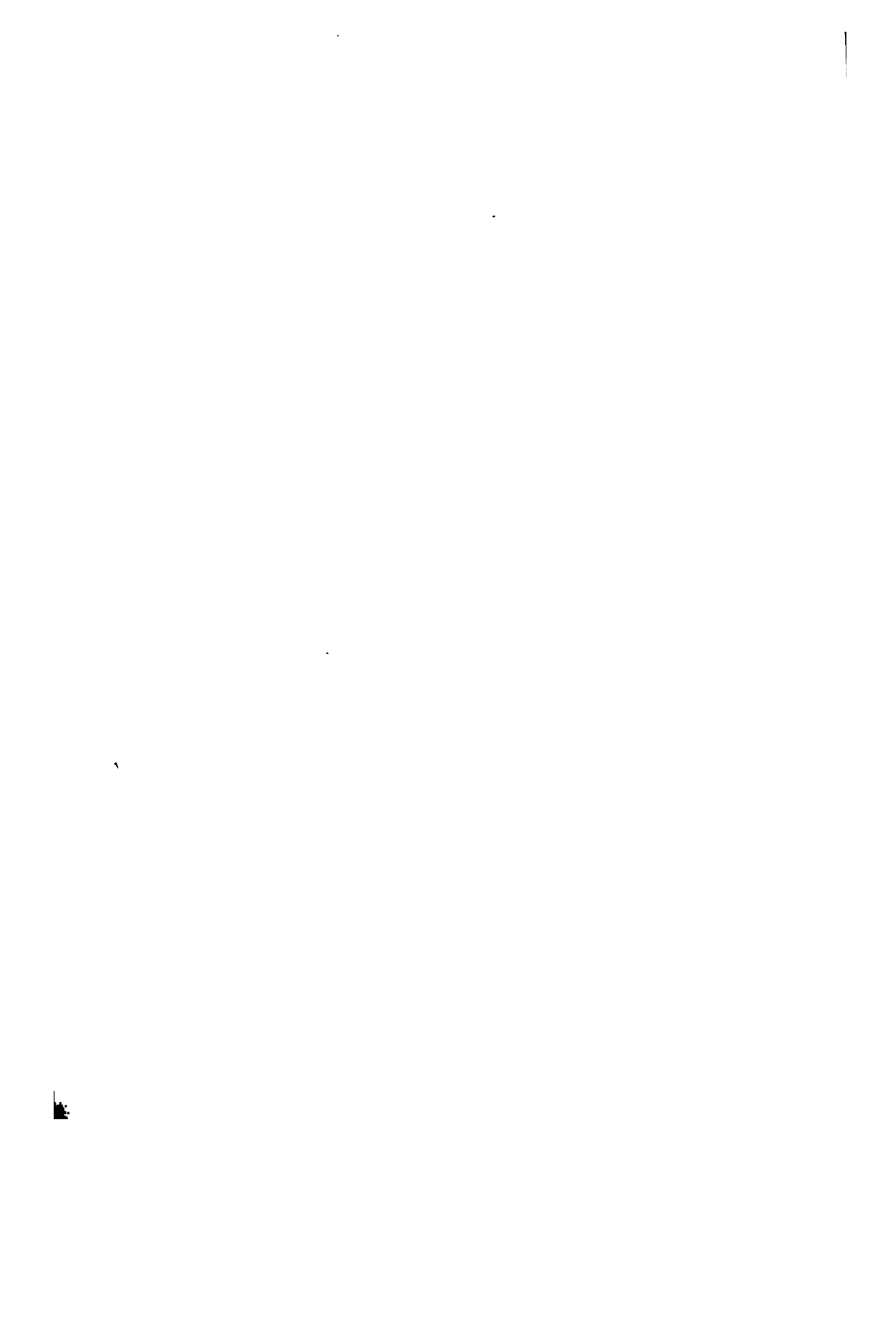
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AGARICUS (STROPHARIA) INUNCTUS. Fries.
 amongst grass. Near Hereford. Sept. 1883.



AGARICUS (STROPHARIA) CORONILLUS. Bull.
(A) Coventry. Sept. 1884. (B) Penzance. Sept. 1882.







AGARICUS (*STROPHARIA*) MELASPERMUS. Bull.
amongst grass. Lyndhurst. Sept. 1882.



AGARICUS (STROPHARIA) MERDARIUS. *Fries.*
on dung. Fordingbridge and Sibbertoft. 1881.

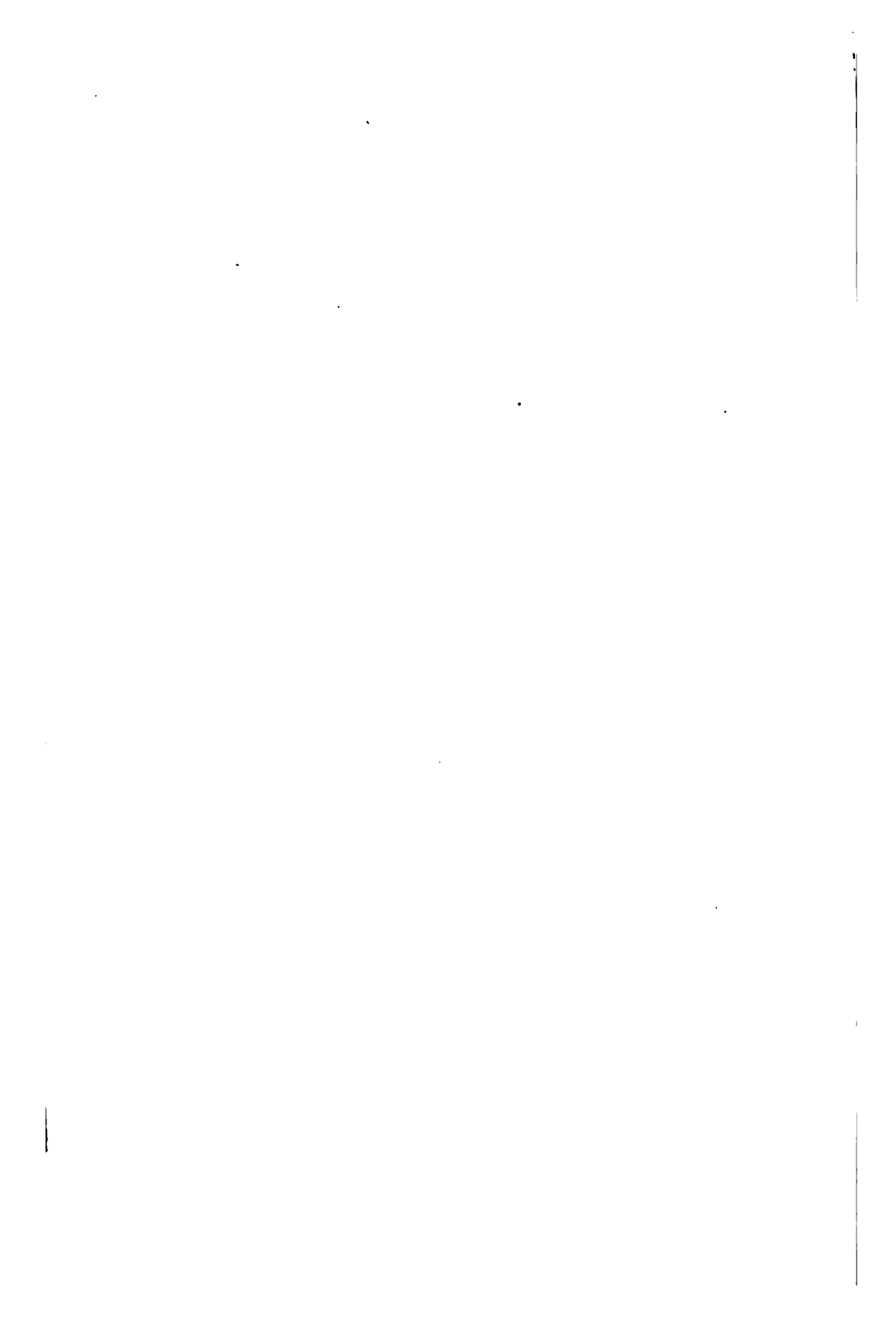






M.C.C.

AGARICUS (STROPHARIA) STERCORARIUS. Fries.
on dung. Loughton, Sept. 1882.





AGARICUS (STROPHARIA) SEMI-GLOBATUS. *Batsch.*
on dung. Chingford. Sept. 1882.



AGARICUS (STROPHARIA) CAPUT-MEDUSÆ. Fries.
at the base of trunks. Glamis. Sept. 1883.



AGARICUS (STROPHARIA) JERDONI. B. & Br.
on chips. Mossburnford. Nov. 1860.





AGARICUS (STROPHARIA) SPINTRIGER. *Fries.*
on stumps. Loughton. Sept. 1882.





Ag. hypoxanthus. Plow.

AGARICUS (HYPNOLOMA) STOREA. *Fries, var. CAESPITOSUS.*
on beech stump. Lyndhurst, New Forest. Oct. 1883.

gregarius

AGARICUS (HYPHODOMA) CASCUS. *Fries.*
in grassy places. Margate, etc.

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M. C. C.

AGARICUS (HYPHOLOMA) LANARIPES. Cooke.
 on soil in conservatories. Highgate. 1862.

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AGARICUS (HYPHOLOMA) CANDOLLEANUS. Fries.
in grassy places. Neasden. Sept. 1882.

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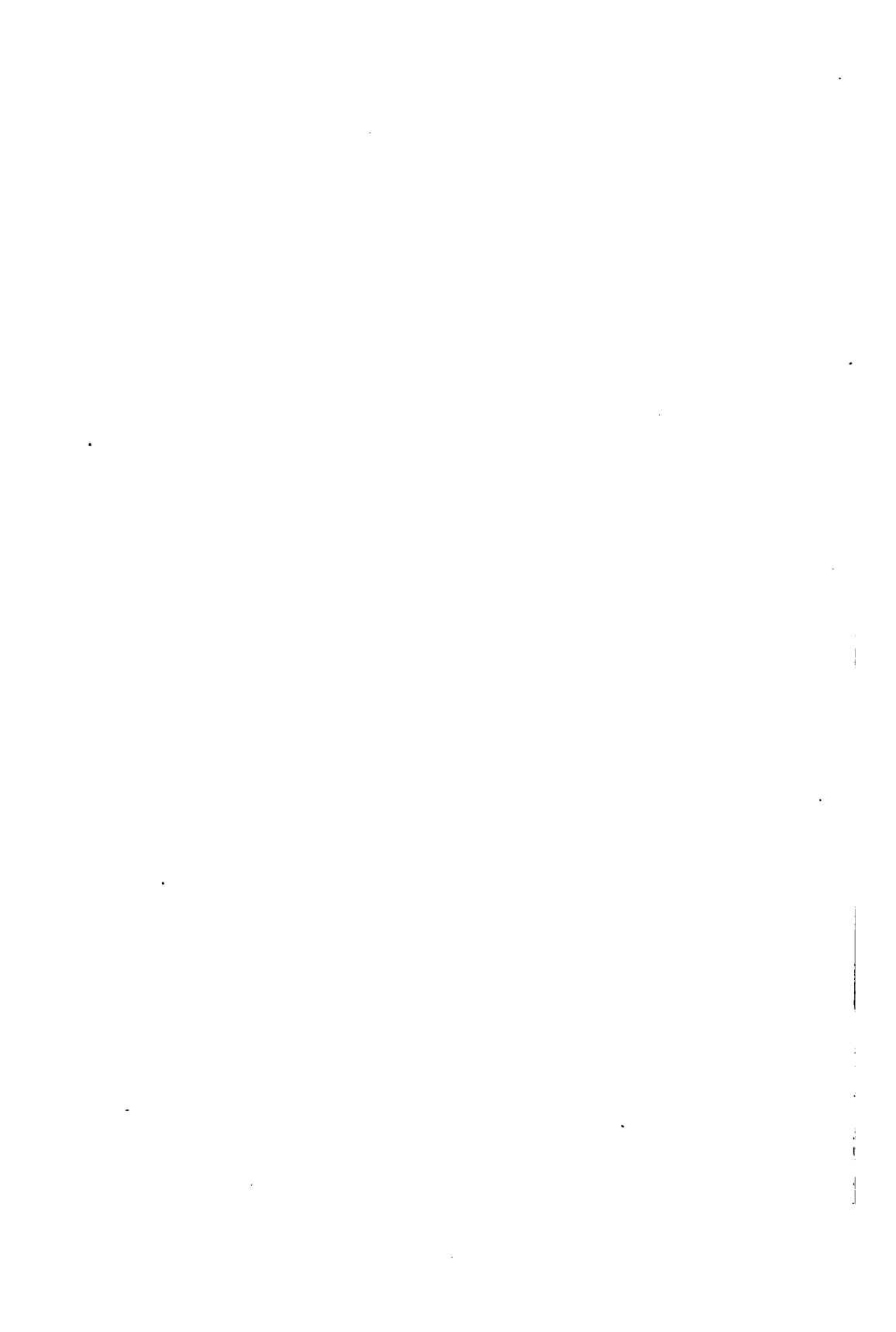
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AGARICUS (HYPHOLOMA) APPENDICULATUS. Bull.
on buried stumps. Chingford. Oct. 1883.



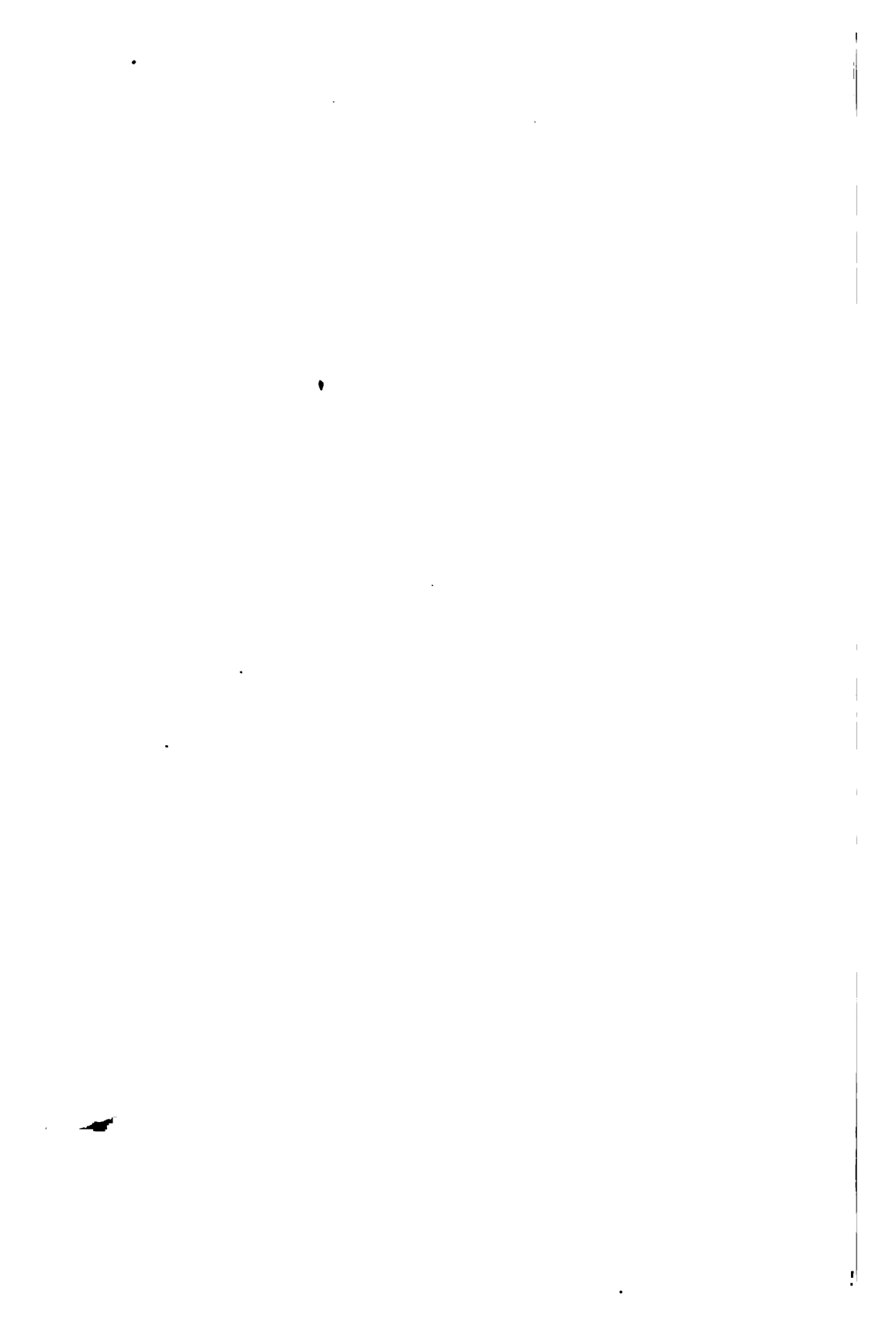


AGARICUS (HYPHOLOMA) LEUCOTEPHRUS. B. & Br.
at base of stumps. Batheaston. Sept. 21, 1884.





AGARICUS (LEPTONIA) LAZULINUS. *Fries.*
grassy places in woods. Coed Coch.





AGARICUS (STROPHARIA) PERCEVALII. B. & Br.
on sawdust. Northumberland. Oct. 1878.



AGARICUS (STROPHARIA) AERUGINOSUS. *Curtis.*
amongst dead leaves. Queen's Cottage, Kew. Nov. 1880.



AGARIOUS (STROPHARIA) ALBO-CYANEUS. *Desm.*
 (A) *Hampstead. Oct. 1863.* (B) *Castle Rising Heath. Oct. 1883.*

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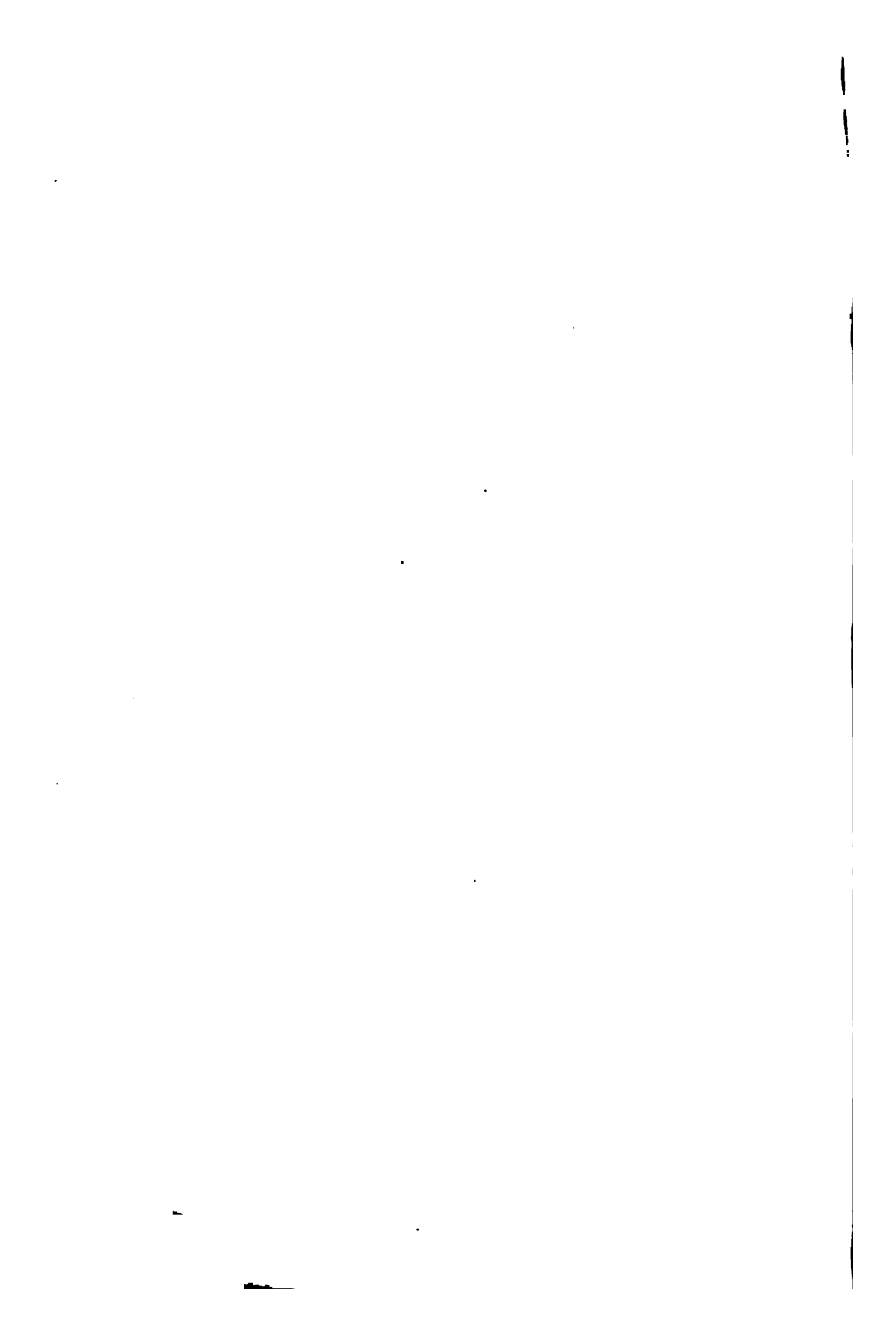
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AGARICUS (STROPHARIA) SQUAMOSUS. *Fries*
amongst chips, &c. Queen's Cottage, Kew. Oct. 1882.







AGARICUS (STROPHARIA) THRAUSTUS. *Kalch.*
in open places. *Arboretum, Kew.* Nov. 1880.

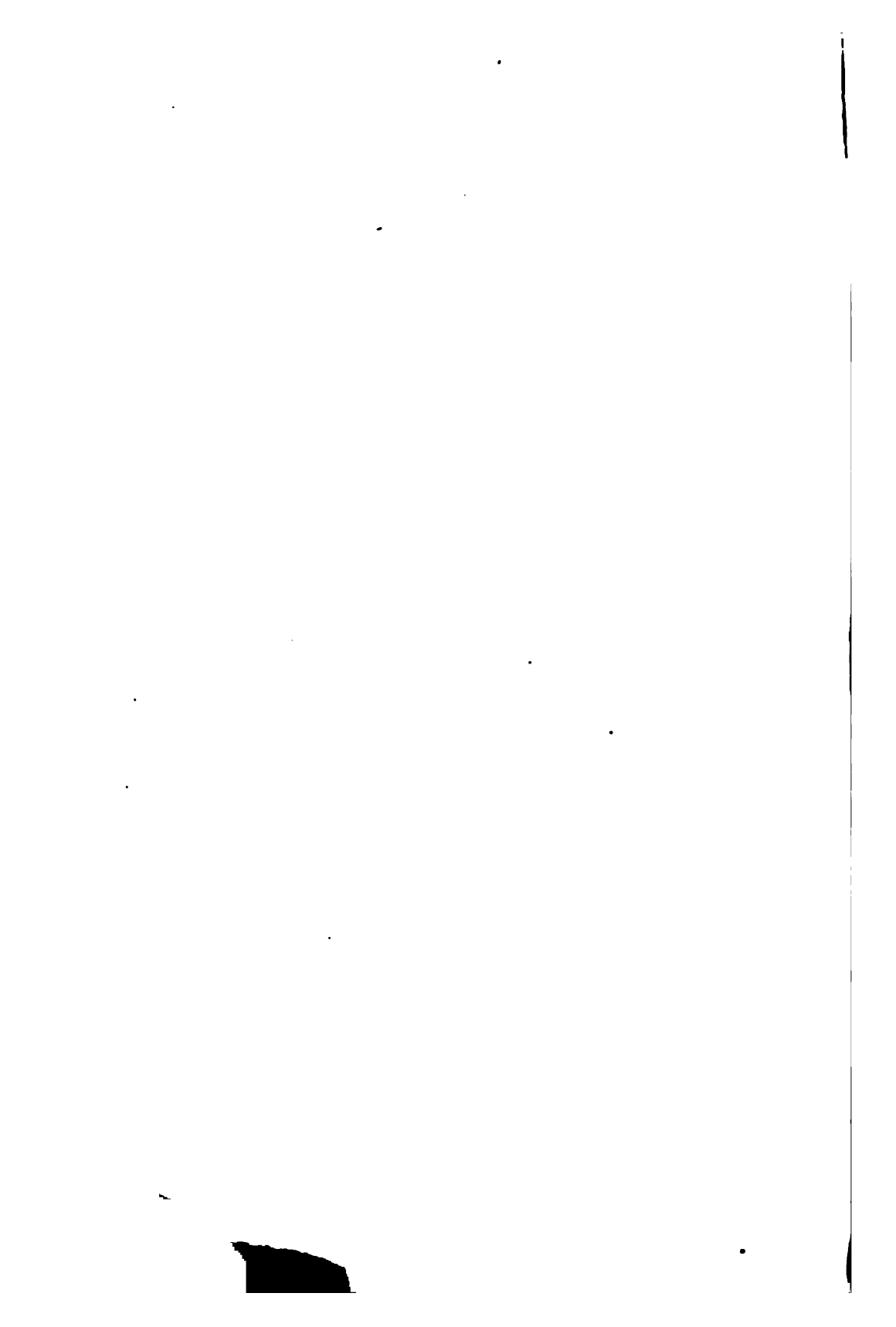
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AGARICUS (STROPHARIA) THRAUSTUS var. AURANTIACUS.
on the ground. Tunnel Wood, Watford. Oct. 1888.



M.C.C.

7X4½

W.G.S.

AGARICUS (STROPHARIA) WORTHINGTONI. Fries.
amongst grass. Highbeach. Nov. 1881.





AGARICUS (HYPHOLOMA) SUBLATERITIUS. *Schaff.*
on stumps. Chingford. Nov. 1888.

bitter



AGARICUS (HYPHOLOMA) SUBLATERITIUS. Schaeff. var. SQUAMOSUS.
 on trunks. Tunnel Wood, Watford. Oct. 1883.

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AGARICUS (HYPHOLOMA) CAPNOIDES. *Fries.*
on stumps. *Arboretum, Kew.* Nov. 1880.

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AGARICUS (HYPHOLOMA) EPIXANTHUS. Fries.
on stumps, and fallen trees.

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AGARICUS (HYPHOLOMA) FASCICULARIS. Hudson.
on stumps. Epping Forest. Oct. 1880.



AGARICUS (HYPHOLOMA) FASCICULARIS. *Fries. var. ELÆODES. Bull.*
on stumps, Stoke Pogis.



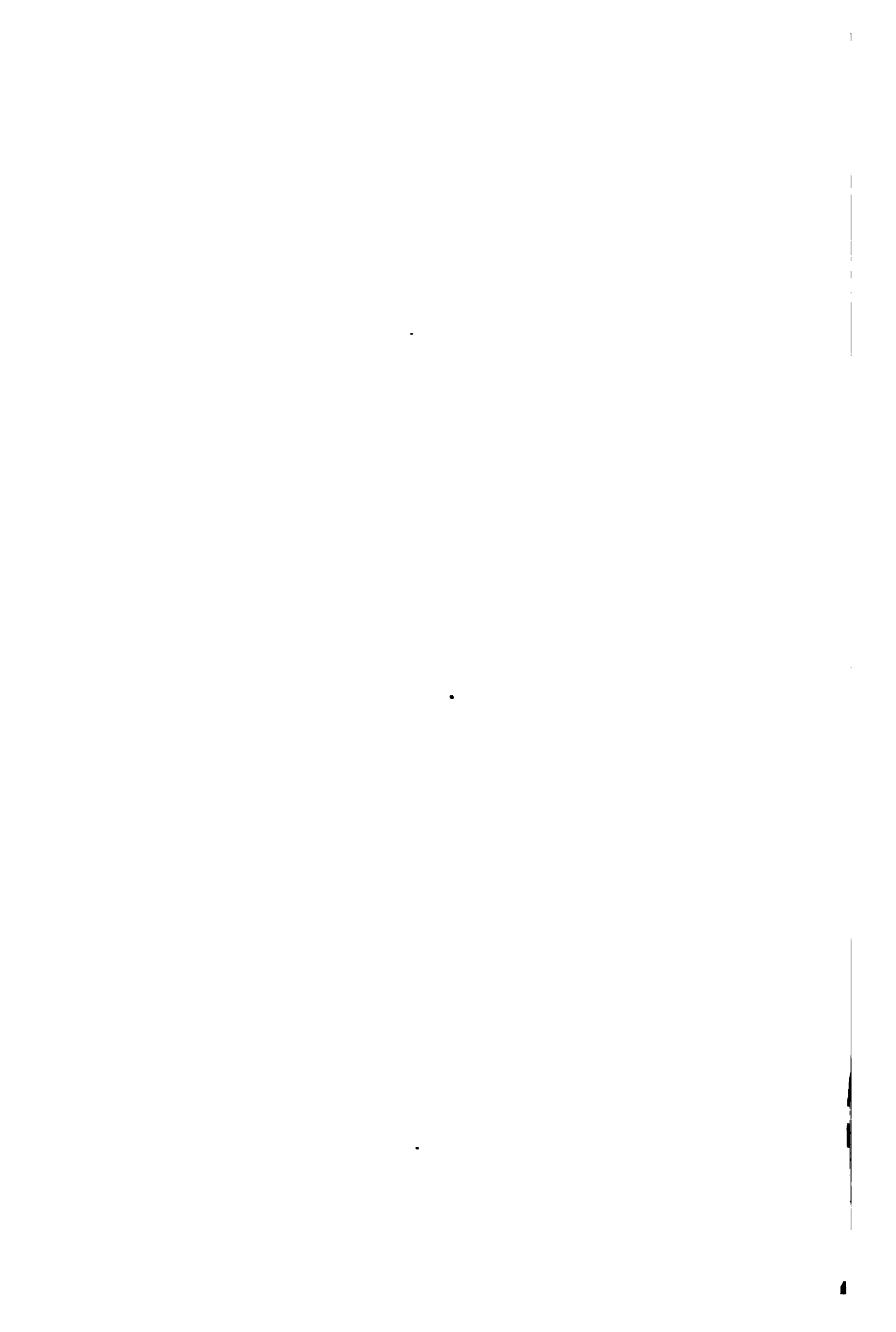


AGARICUS (HYPHOLOMA) VELUTINUS. *Fries.*
amongst grass. Neasden, Middlesex. Sept. 1882.





AGARICUS (HYPHOLOMA) PYRRHOTRICHUS. *Fries.*
on the ground. Dinmore. Sept. 1884.





AGARICUS (PLUTEUS) CERVINUS. *Fries. var. PATRICIUS. Schulz.*
on dead logs. Near Coventry. July, 1895.



AGARICUS (HYPHOMA) LACRYMABUNDUS. *Fries.*
on naked ground. Cuckoo Pits, Epping Forest. Oct. 1883.





AGARICUS (PSILOCYBE) SARCOCEPHALUS. Fries.
in woods. Leigh Wood, Bristol.



AGARICUS (*PSILOCYBE*) ERICÆUS. *Pers.*
in swampy places. Barnes Common. Sept. 1882.



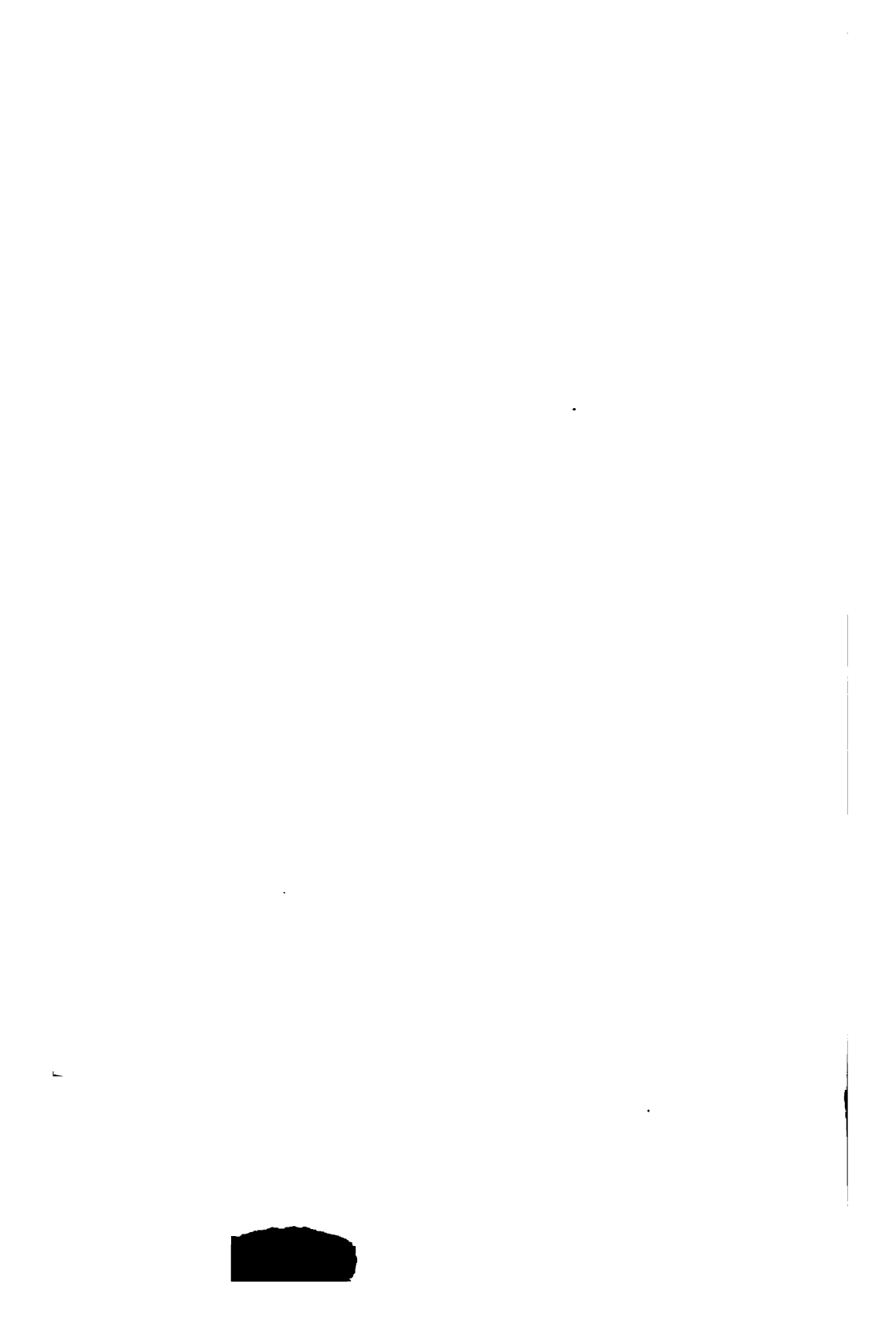
AGARICUS (*PSILOCYBE*) UDUS. *Persoon.*
amongst Sphagnum. Epping Forest. Nov. 1880.



12-18 x 8

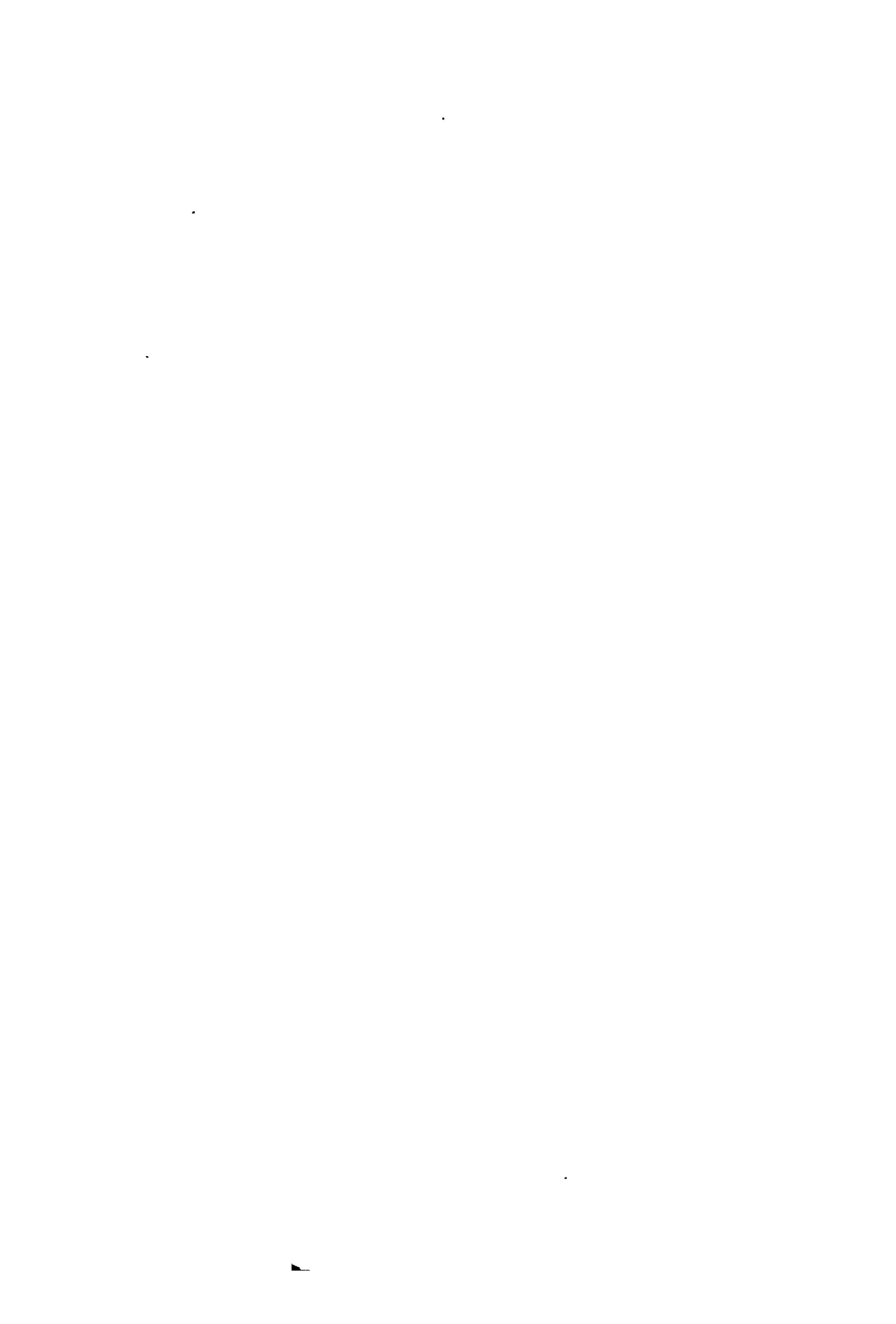
W.G.S.

AGARICUS (PSILOCYBE) AREOLATUS. Klotzsch.
on garden beds. Mildmay Park, London. Aug. 1869.





AGARICUS (*PSILOCYBE*) ATRO-RUFUS. *Schaff.*
 amongst grass. Near Birmingham. Dec. 1884.



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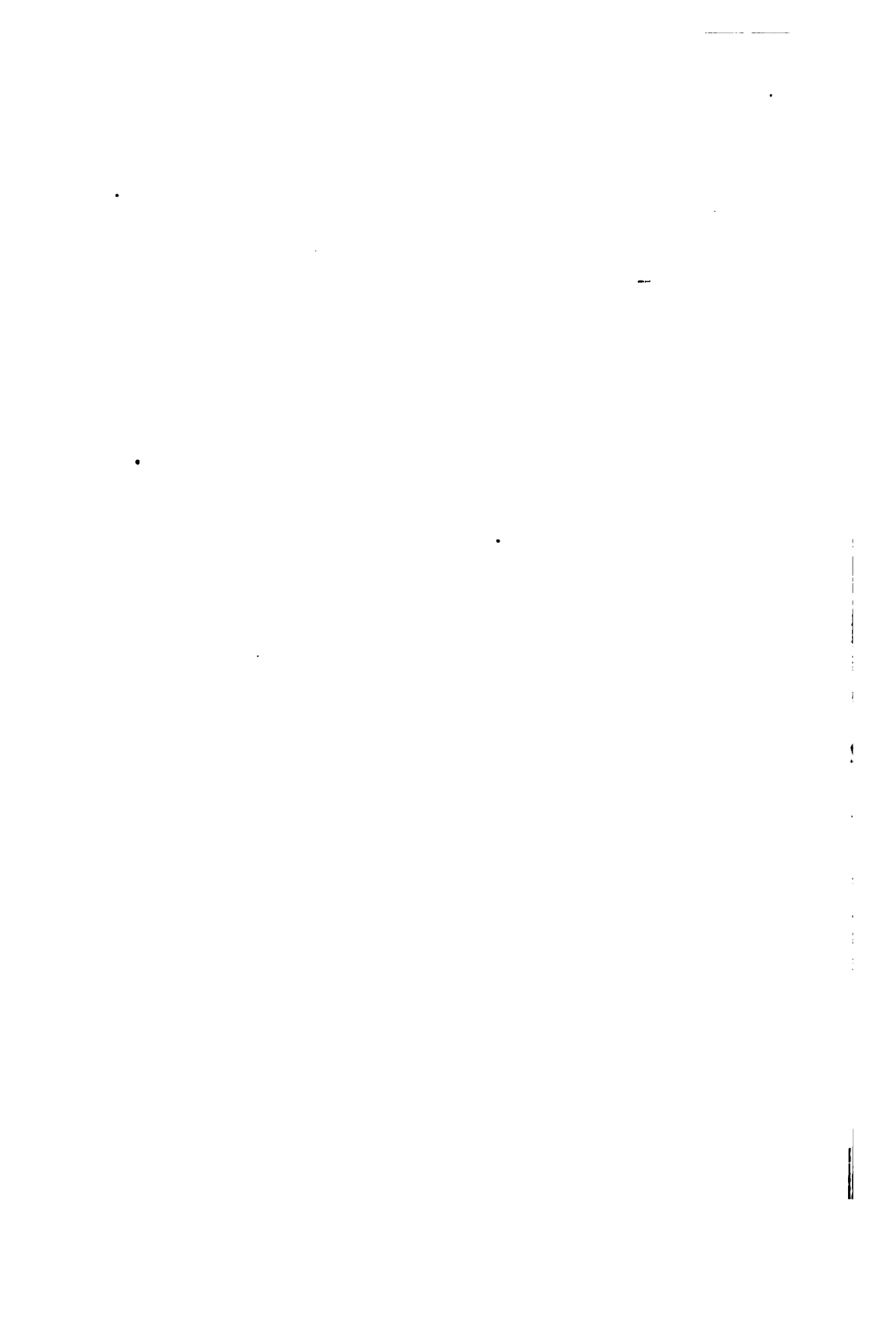


AGARICUS (PSILOCYBE) SEMI-LANCEATUS. *Fries.*
amongst grass, in pastures, &c. Manchester. Oct. 1876.





AGARICUS (*PSILOCYBE*) SEMI-LANCEATUS. *Fries.*
amongst grass, in pastures, &c. Manchester. Oct. 1876.



poisonous

M.C.C.

10-12 X 6

AGARICUS (PSILOCYBE) SEMI-LANCEATUS. *Fries, var. CAERULESCENS.*
in pastures. Neighbourhood of London. Sept. 1880.





AGARICUS (*PSILOCYBE*) CERNUUS. *Fl. Dan.*
amongst chips, dead leaves, &c. King's Cliffe. 1883.

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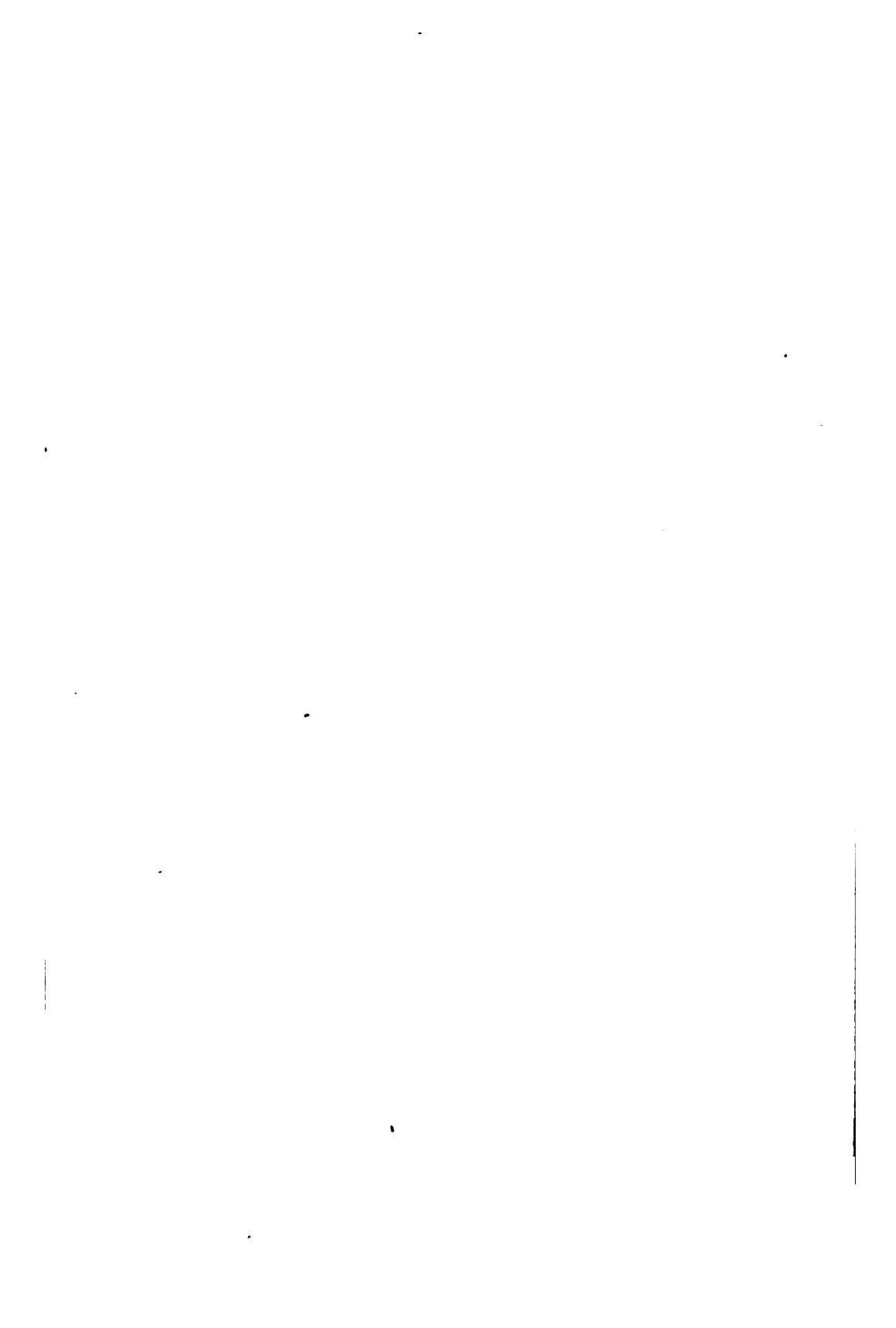
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AGARICUS (PSATHYRA) CONOPILEUS. *Fries,*
in gardens, &c. Sibbertoft. Sept. 1883.





AGARICUS (PSILOCYBE) CORRUGIS. Fries.
amongst leaves, &c. Sibbertoft. Sept. 1884.

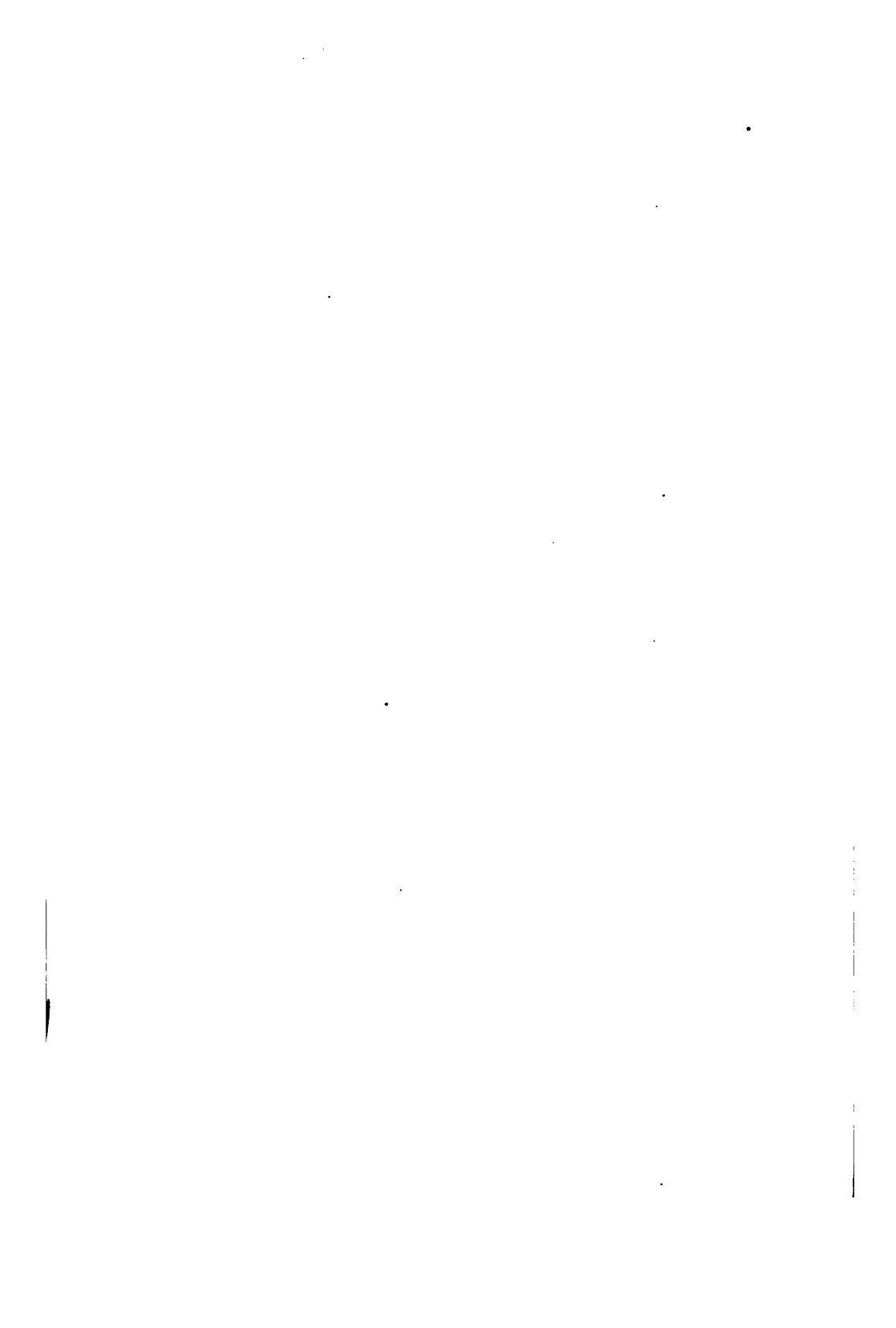


AGARICUS (*PSILOCYBE*) PELLOSPERMUS. Bull.
in gardens. Woodnewton, Sept. 1884.





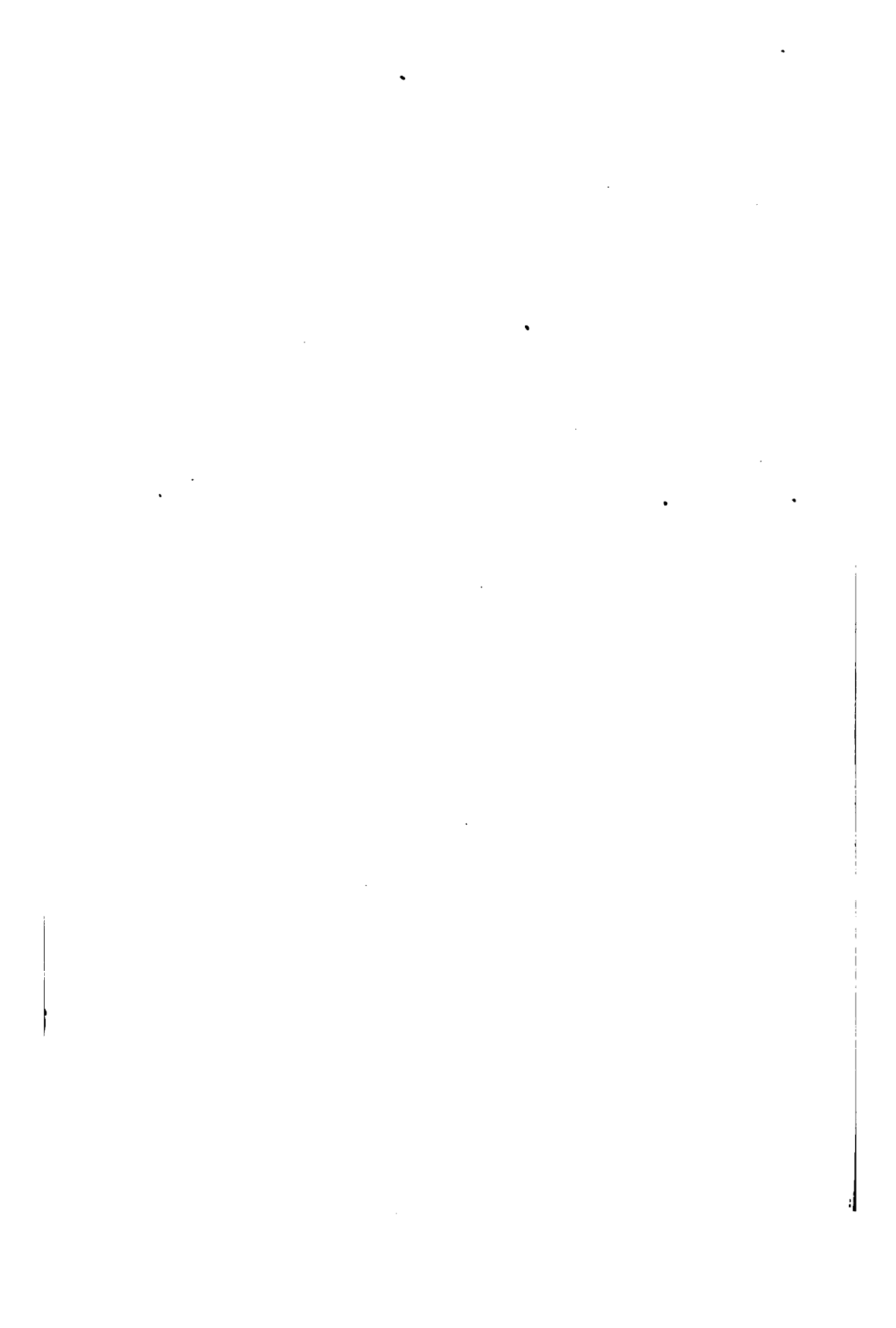
AGARICUS (PSATHYRA) SEMI-VESTITUS. B. & Br.
on rubbish heaps. Kew Gardens, Oct. 1888.

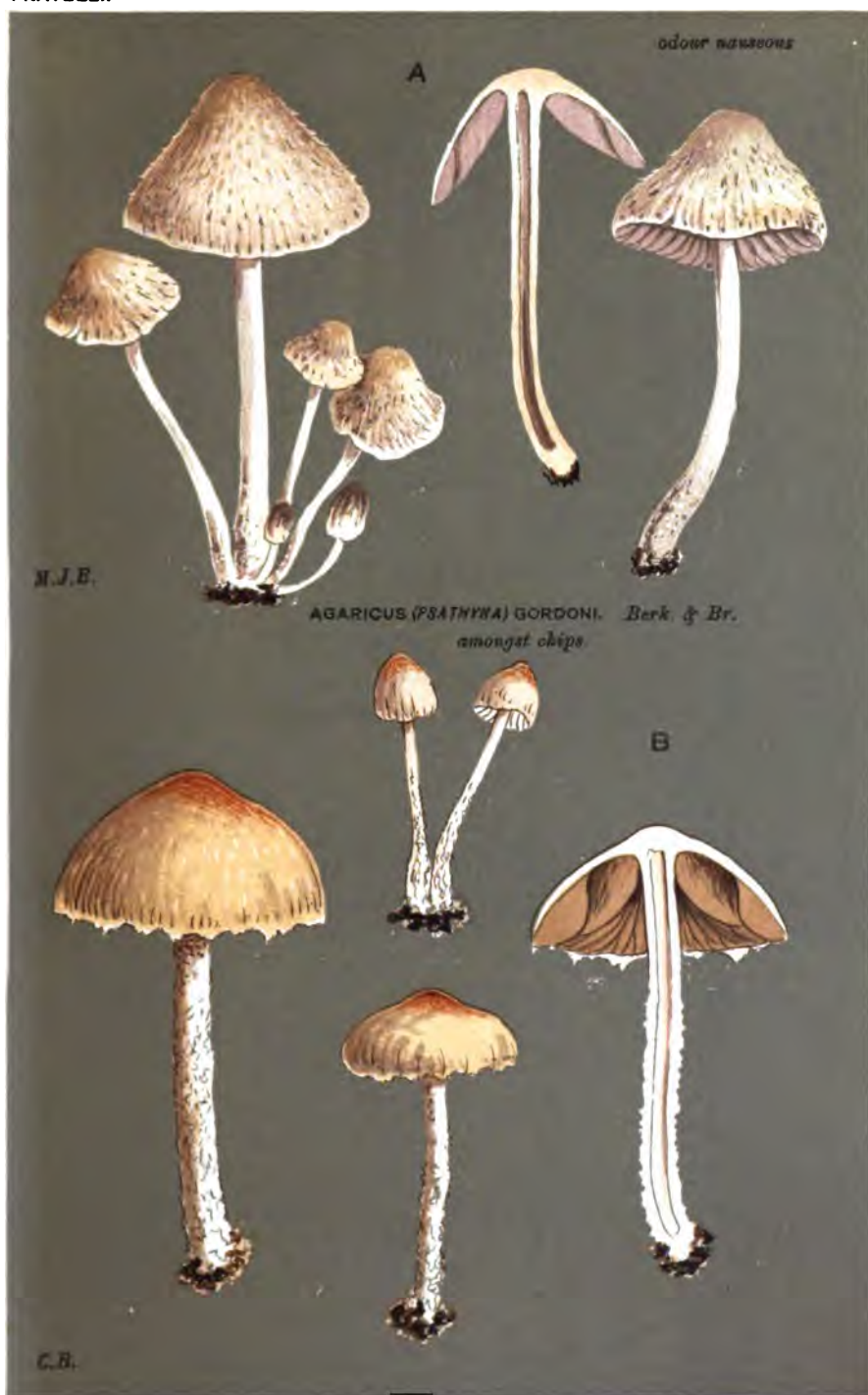






AGARICUS (PSATHYRA) HELOBIUS. Kalch.
in moist pine woods. Coed Coch. Sept. 1884.





AGARICUS (PSATHYRA) PENNATUS. Fries.
on scorched ground. Near Bristol.

ILLUSTRATIONS
OF
BRITISH FUNGI.

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OF
BRITISH FUNGI
(HYMENOMYCETES),

To serve as an Atlas to the Handbook of "British Fungi."

BY

M. C. COOKE, M.A., LL.D., A.L.S.,

Late President of the Quakett Microscopical Club. President of the Hackney Natural History and Microscopical Society. Fellow of the Botanical Society of Edinburgh. Corresponding Member of the Academy of Natural Sciences, Philadelphia; of the Academy of Science of New York; of the Portland Society of Natural History, Maine, and of the Società Crittogamologica Italiana. Honorary Member of the Cryptogamic Society of Scotland; the Woolhope Field Club; the Hertfordshire Natural History Society; the Norfolk and Norwich Naturalists' Society; the Essex Field Club; and other Societies.

VOL. V.

London :

WILLIAMS AND NORGATE, HENRIETTA STREET, W.C.

1886-1888.





AGARICUS (ENTOLOMA) LIQUESCENS. Cooke.
on the ground, under trees. Scarboro'. April, 1884.



gills denticulate

AGARICUS (INOCYBE) LANUGINOSUS, Bull.
on naked soil. Haywood Forest, 1894.

B



M.C.C.

AGARICUS (INOCYBE) DULCAMARUS. A. & S.
under firs. Dinodor, 1883.



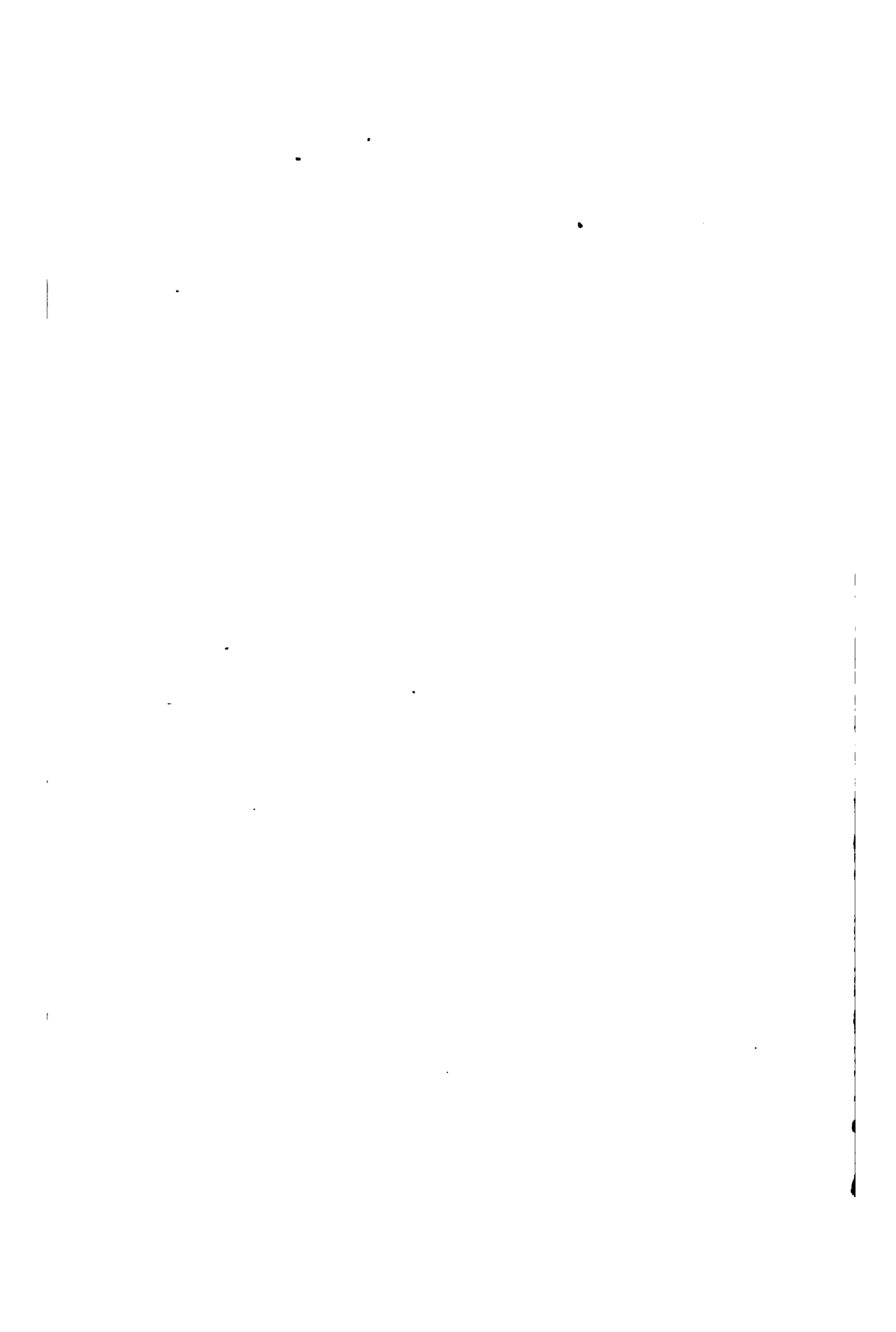
AGARICUS (INOCYBE) LACERUS. *Fries.*
by the side of paths. Epping Forest.







AGARICUS (PSALLIOTA) ARVENSIS. Schf. var. PURPURASCENS.
on the ground. Deerfold Forest. Sept., 1869.





AGARICUS (*PSALLIOTA*) CAMPESTRIS. *Lin. var. VILLATICUS. Brond.*
on the ground. Northamptonshire.





M.C.C.

AGARICUS (HYPHOLOMA) DISPERSUS. *Fries.*
on the ground. Highbeeck. Nov., 1881.





AGARICUS (PSILOCYBE) SUB-ERICÆUS. Fries.
on the ground. Kew Gardens. June, 1882.

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N. J. H.

AGARICUS (PSILOCYBE) COMPTUS. *Fries.*
in woods. *Collyseston.*

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AGARICUS (PSILOCYBE) HEBES. *Fries.*
in beech woods. *Hothorp.*

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AGARICUS (*PSILOCYBE*) *FÆNISECHII*. *Fy.*
amongst grass. King's Cliffe.





M.J.B.

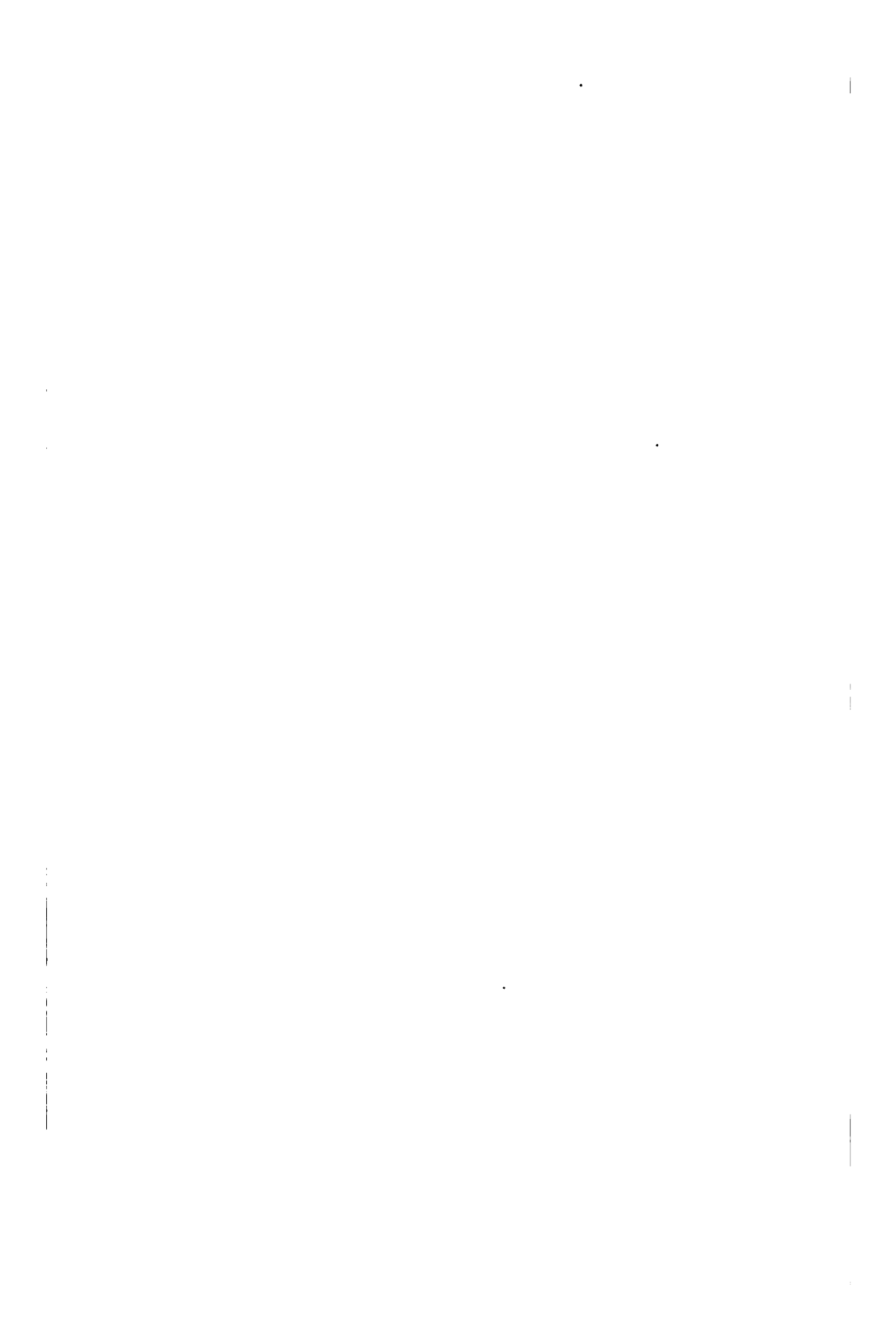
AGARICUS (PSATHYRA) MASTIGER. B. & Br.
on roadside amongst grass. Apethorpe, Sept., 1860.

M.J.B.

AGARICUS (PSATHYRA) GLAREOSUS. Berk.
on gravelly soil. Sibbertoft.



AGARICUS (PSATHYRA) CORRUGIS. *Fr. var. VINOSUS.* *Corda.*
amongst grass. Kew Gardens. Sept., 1880.







AGARICUS (PSATHYRA) OBTUSATUS. *Fries.*
on oak trunks, or on the ground. King's Cliffe.



AGARICUS (*PSATHYRA*) *OBTUSATUS*. *Fries.*
on oak trunks, or on the ground. King's Cliffe.





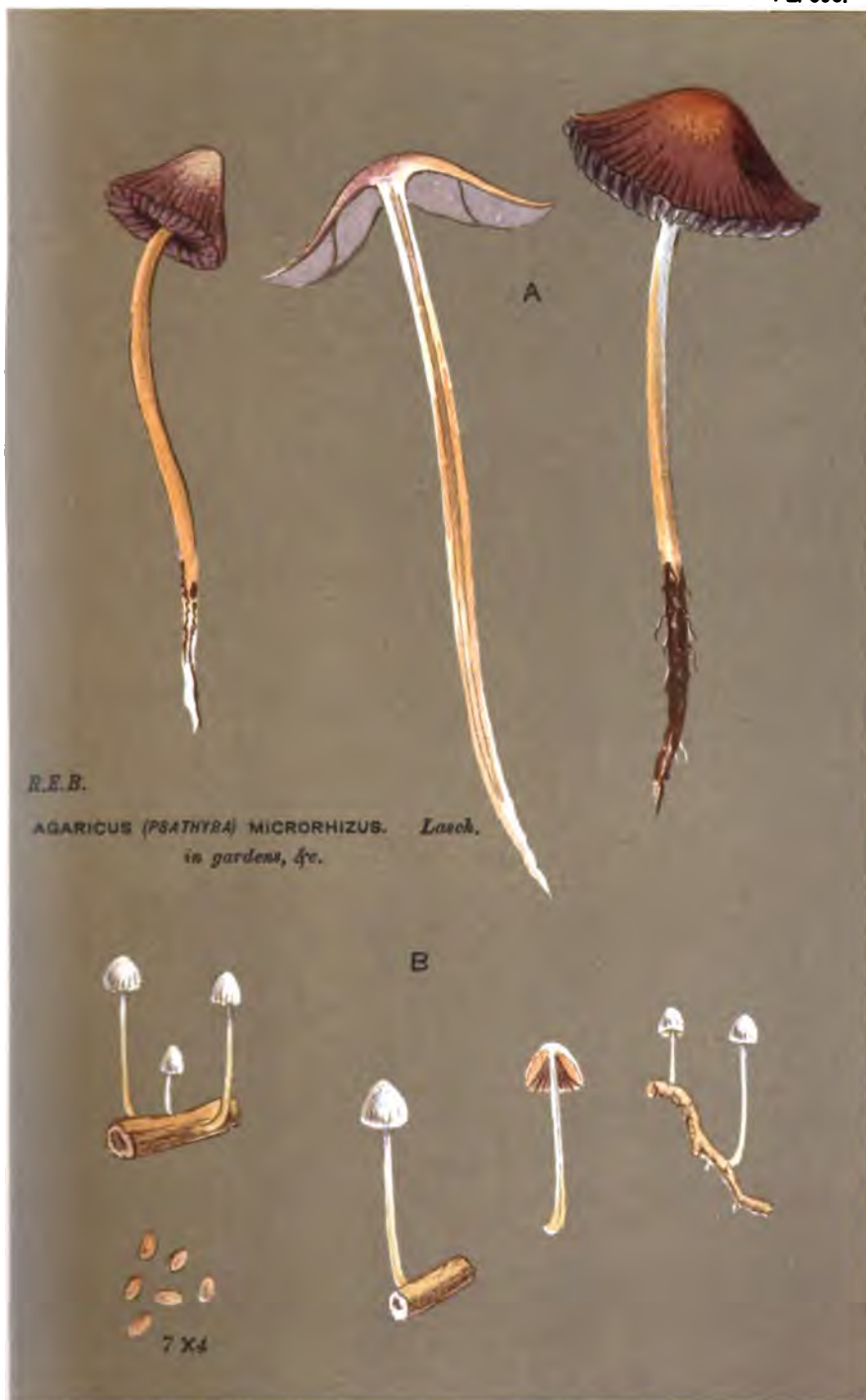
AGARICUS (PSATHYRA) BIFRONS. B. & Br.
A. Typical form. B. var. SEMITINCTUS. Phillips.
amongst chips.





AGARICUS (PSATHYRA) FIBRILLOSUS. Fries.
in damp woods.





AGARICUS (*PSATHYRA*) URTICÆCOLA. B. & Br.
on roots of nettle. King's Cliffe.



AGARICUS (*PLUTEUS*) PELLITUS. *Pers.*
in open pastures. Scarborough. Sept., 1885.







M.C.C.

AGARICUS (*PLUTEUS*) ROSEO-ALBUS. *Fries.*
on elm trunk. *Burghill Court.* *Sept., 22, 1885.*





AGARICUS (*CLITOPILUS*) **STILBOCEPHALUS.** *Berk.* (VARIETY.)
on the ground. Staplehurst, Kent. Oct., 1868.





AGARICUS (PHOLIOTA) COMOSUS. Fries.
on beech stumps. Hainault Forest.

A



AGARICUS (NAUCORIA) CENTUNCULUS. *Fries.*
on rotten beech wood. *Epping.*

B



AGARICUS (NAUCORIA) HORIZONTALIS. *Bull.*
on bark of trees, chiefly elm. *Burghley Park.*

edge of gills serrulate

AGARICUS (TUBARIA) CUPULARIS. Bull. (VARIETY.)
amongst grass. Dinmore. Sept., 1884.

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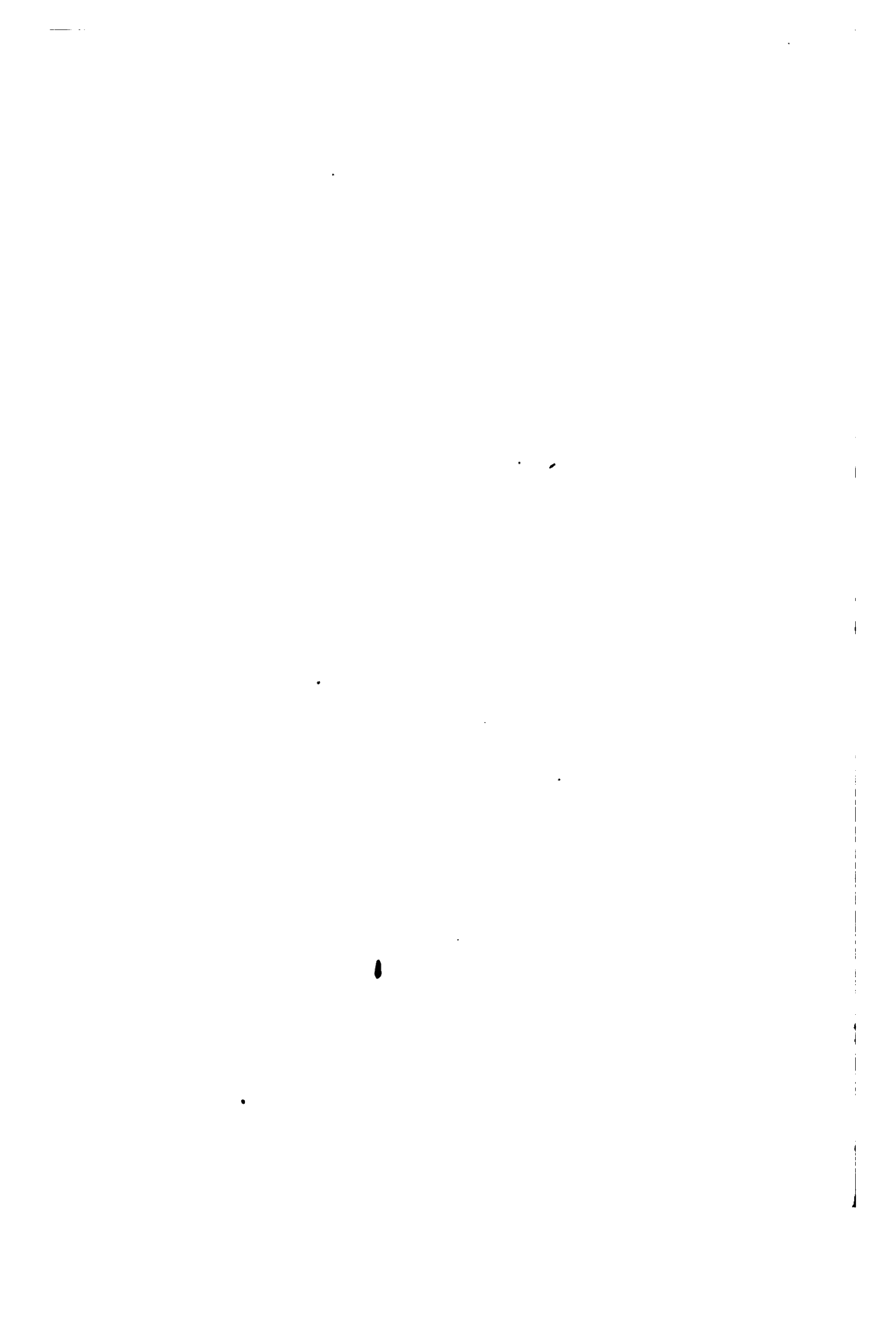
5

M.J.B.



10 X 8

AGARICUS (TUBARIA) FURFURACEUS. Pers.
on the ground, and on chips. Haywood Forest.



glutinous

M.C.C.

AGARICUS (STROPHARIA) LUTEO-NITENS. *Fries.*
 on sawdust, dung, &c. Crackley Wood, Kenilworth. Sept., 1885.



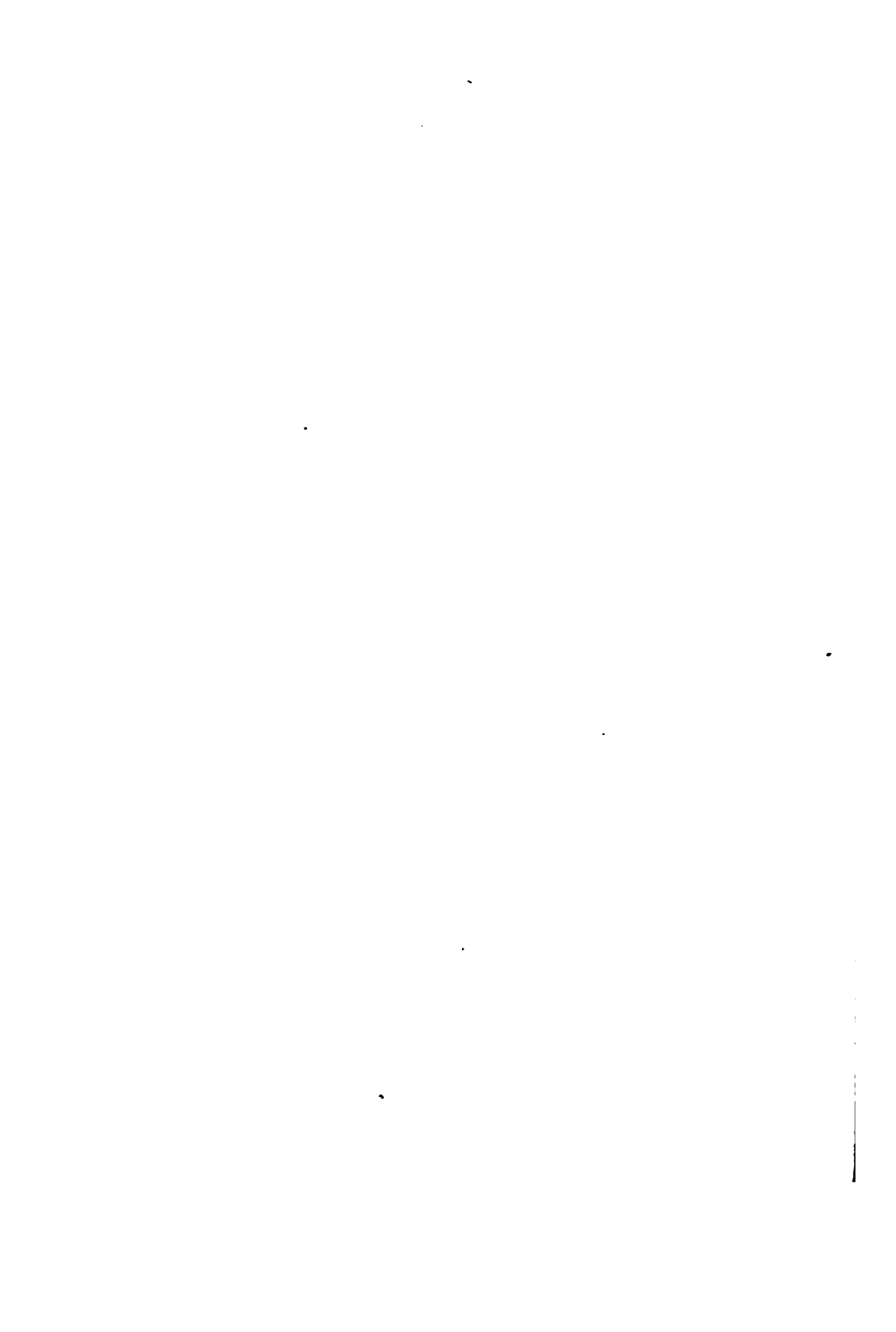


AGARICUS (HYPHOLOMA) EGENULUS, B. & Br.
amongst grass. Apsilhorpe. Spring.

AGARICUS (HYPHOLOMA) HYDROPHILUS. Bull.
at base of trunks. Near Dover. Oct., 1848.



AGARICUS (PSILOCYBE) AMMOPHILUS. Mont.
amongst sand. St. Andrews. NB.





AGARICUS (PSILOCYBE) SCOBICOLA. B. & Br.
on sawdust.





AGARICUS (*PSILOCYBE*) *COPROPHILUS*. Bull.
on dung. Hampstead Heath.



M.J.B.

AGARICUS (*PSILOCYBE*) *BULLACEUS*. Bull.
on rich soil and old dung. Sept. 1862.

1. The first part of the document is a list of the names of the persons who have been appointed to the various offices of the city of New York.

2. The second part of the document is a list of the names of the persons who have been appointed to the various offices of the city of New York.

3. The third part of the document is a list of the names of the persons who have been appointed to the various offices of the city of New York.

4



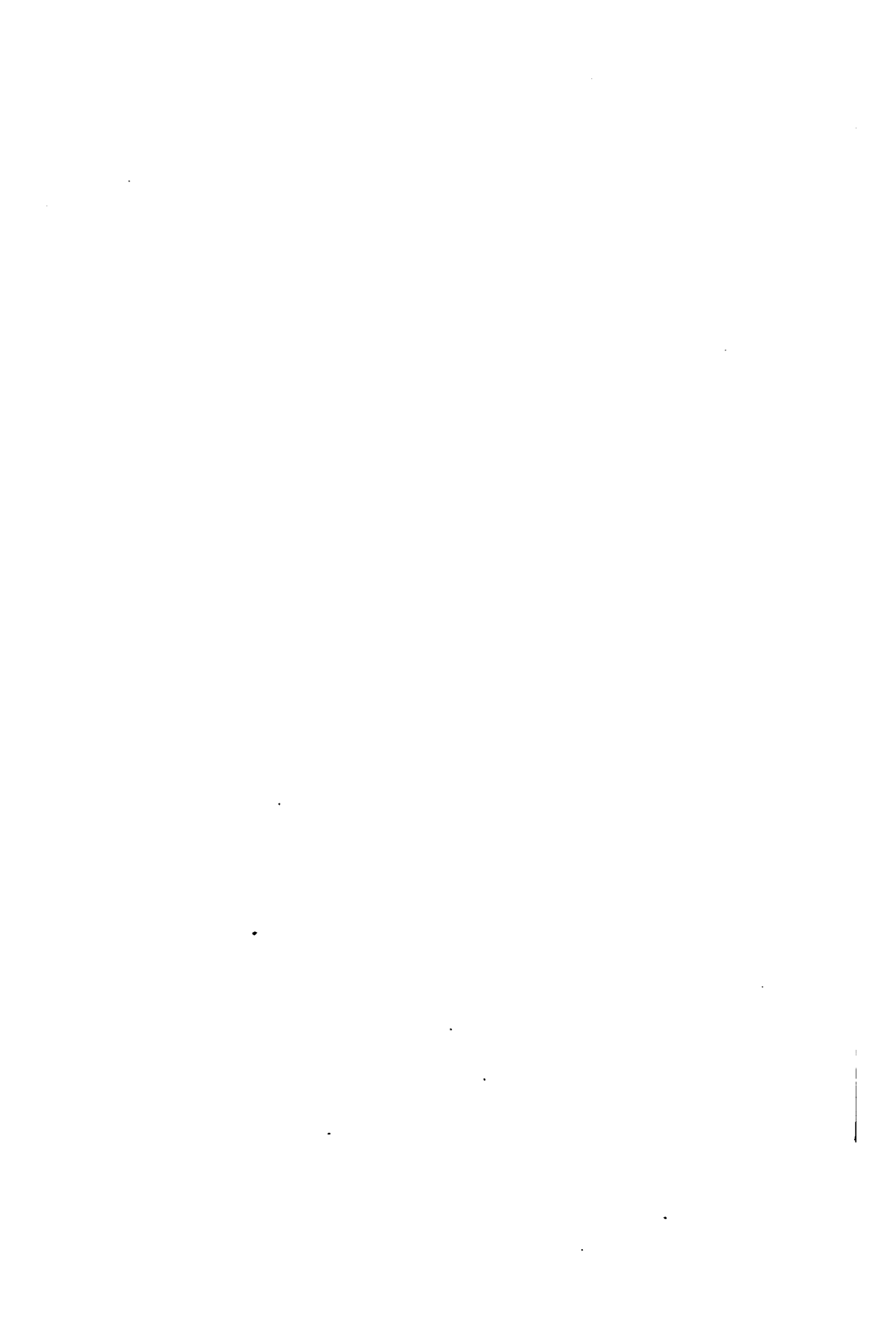
AGARICUS (PSILOCYBE) PHYSALOIDES. Bull.
on swampy ground. Croydon.



AGARICUS (PSILOCYBE) NUCISEDUS. Fries.
on beech mast. Penzance.



AGARICUS (PSILOCYBE) SPADICEUS. Fries.
about stumps. Epping Forest. Oct., 1882.





AGARICUS (PSATHYRA) SPADICEO-GRISEUS. *Schaff.*
on trunks, or on the ground. Northamptonshire.



AGARICUS (PSATHYRA) GOSSYPINUS. Bull.
on the ground. King's Cliffe

AGARICUS (PSATHYRA) NOLI-TANGERE. Fries.
amongst chips. Sibbertoft.

A



R.E.B.

AGARICUS (ECCILIA) GRISEO-RUBELLUS. Lasch.
on wood. Sibbertoft.

B



W.G.S.

AGARICUS (ECCILIA) FLOSCULUS. Smith.
on tree ferns. Veitch's Nursery, Chelsea. 1870.

C



W.G.S.

AGARICUS (ECCILIA) ACUS. Smith.
on cocoa nut fibre. Kew Gardens. 1873.





AGARICUS (PHOLIOTA) SQUARROSUS var. **VERRUCULOSUS.** *Lasch.*
on Trunks. Fairmead, Epping Forest. Oct., 1885.





AGARICUS (FLAMMULA) HYBRIDUS. *Fries.*
on mossy stumps. Scarborough. 1884.



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1



G.M.

AGARICUS (FLAMMULA) OCHROCHLORUS Fries.
on rotten wood. Scarboro.*







AGARICUS (NAUCORIA) VERVAETI. Fries.
in fallow fields. Apethorpe

AGARICUS (NAUCORIA) TENAX. Fries.
Ossd Cock. Oct., 1879.



AGARICUS (PILOSACE) ALGERIENSIS.
on ground amongst ferns.

Scarboro.'

Fries.
Aug., 1885.



AGARICUS (STROPHARIA) HYPSSIPUS.
on ground amongst moss. Forest Hill.

Friss.
Oct., 1885.



AGARICUS (**PSILOCYBE**) **SARCOCEPHALUS.** **Fy.**
at base of trunks. *Crackley Wood, Kenilworth.* *Sept., 1885.*



AGARICUS (HYPHOLOMA) CANOFACIENS Cooke.
on rotten straw. Stoke Newington. May, 1887.



AGARICUS (PSILOCYBE) AGRARIUS. *Fries.*
on the ground. Shrewsbury. Aug., 1882.

SYSTEMATIC INDEX.

GENUS I. **AGARICUS**, *Linn.* (continued).

Sect. B. *Hyporhodii*. Spores pink or salmon coloured.

Sub-Genus 1. Volvaria, Fr. Universal veil free, persistent, distinct from the cuticle of the pileus. Hymenophore distinct from the stem. Gills rounded behind, free, ventricose.

* Pileus dry, silky or fibrillose.

293.	<i>A. bombycinus, Schaff.</i>	.	293
294.	<i>A. volvaceus, Bull.</i>	.	294
295.	<i>A. Loveianus, Berk.</i>	.	295
296.	<i>A. Taylora, Berk.</i>	.	296

** Pileus more or less viscid, smooth.

297.	<i>A. speciosus, Fr.</i>	.	297
298.	<i>A. gloiocephalus, D.C.</i>	.	298
299.	<i>A. medius, Schum.</i>	.	299
300.	{ <i>A. parvulus, Weinm.</i>	.	300b
	{ <i>A. temperatus, Berk.</i>	.	300a

Sub-Gen. 2. Annularia, Schulz. Annulate, but destitute of a volva. Gills free; hymenophore distinct from the stem.

(No British species known.).

Sub-Gen. 3. Pluteus, Fr. Destitute of volva and ring. Hymenophore distinct from the stem. Gills rounded behind, free (never emarginate) at first cohering, white then flesh coloured (except two or three species which are tinted with yellow).

* Cuticle of the pileus breaking up into fibrils or flocci.

301.	<i>A. cervinus, Schaff.</i>	.	301
302.	" " var. <i>patricius, Schulz.</i>	.	565
303.	" " var. <i>eximius, Sm.</i>	.	302
304.	" " var. <i>Bullii, Berk.</i>	.	357
305.	" " var. <i>petasatus, Fr.</i>	.	303
306.	{ <i>A. umbrosus, Pers.</i>	.	304a
	{ <i>A. hispidulus, Fr.</i>	.	304b
307.	<i>A. ephebius, Fr.</i>	.	517
308.	<i>A. pellitus, Pers.</i>	.	597

** Pileus frosted with atoms, somewhat powdery.

309.	<i>A. nanus</i> , <i>Pers.</i>	. . .	305
310.	<i>A. spilopus</i> , <i>B. & Br.</i>	. . .	325
311a.	<i>A. semi-bulbosus</i> , <i>Lasch.</i>	. . .	518a

** Pileus naked, smooth.

311b.	<i>A. violarius</i> , <i>Massee</i>	. . .	518b
312.	<i>A. roseo-albus</i> , <i>Fr.</i>	. . .	598
313.	<i>A. leoninus</i> , <i>Scharff.</i>	. . .	421
314.	<i>A. chrysophæus</i> , <i>Scharff.</i>	. . .	309
315.	{ <i>A. phlebophorus</i> , <i>Dittm.</i>	. . .	422a
	{ " " var. <i>reticulatus</i> , <i>Cke.</i>	. . .	422b

Sub-Gen. 4. Entolema, *Fr.* Without a distinct veil.
Stem fleshy or firm, soft, sometimes waxy. Pileus
rather fleshy, margin incurved. Hymenophore continuous
with the stem: gills sinuately adnexed behind or seced-
ing.

• GYMNIDI. Pileus smooth, moist or viscid.

316.	<i>A. sinuatus</i> , <i>Fr.</i>	. . .	310
317.	<i>A. lividus</i> , <i>Bull.</i>	. . .	311
318.	" " var. <i>roseus</i>	. . .	469
319.	<i>A. prunuloides</i> , <i>Fr.</i>	. . .	312
320.	<i>A. repandus</i> , <i>Bull.</i>	. . .	313
321.	<i>A. placenta</i> , <i>Batsch.</i>	. . .	314
322.	<i>A. belodes</i> , <i>Fries</i>	. . .	339
323.	" " variety	. . .	373
324.	<i>A. bulbigenus</i> , <i>B. & Br.</i>	. . .	315
325.	<i>A. Batschianus</i> , <i>Fr.</i>	. . .	326
326.	<i>A. Bixami</i> , <i>Berk.</i>	. . .	327
327.	<i>A. ardosiacus</i> , <i>Bull.</i>	. . .	328
328.	<i>A. liquescens</i> , <i>Cooke</i>	. . .	581
329.	<i>A. amides</i> , <i>B. & Br.</i>	. . .	341
330.	<i>A. frumentaceus</i> , <i>B. & Br.</i>	. . .	470

** LEPTOXIDEL. Pileus flocculose, rather squamose,
absolutely dry, not hygrophanous.

331.	<i>A. Saundersii</i> , <i>Fr.</i>	. . .	306
332.	<i>A. fertilis</i> , <i>Berk.</i>	. . .	316
333.	<i>A. jubatus</i> , <i>Fr.</i>	. . .	317
334.	{ <i>A. resutus</i> , <i>Fr.</i>	. . .	318a
	{ <i>A. griseo-cyanus</i> , <i>Fr.</i>	. . .	318b
335.	<i>A. sericellus</i> , <i>Fr.</i>	. . .	307
336.	<i>A. Thomsoni</i> , <i>B. & Br.</i>	. . .	374

*** NOLANIDEL. Pileus thin, hygrophanous, rather
silky when dry. Often deformed.

337.	<i>A. clypeatus</i> , <i>Lin.</i>	. . .	319
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338.	<i>A. rhodopolinus</i> , <i>Fr.</i>	.	342
—	<i>A. majalis</i> , <i>Fr.</i>	.	(doubtful)
339.	<i>A. Wynnei</i> , <i>B. & Br.</i>	.	329
340.	{ <i>A. costatus</i> , <i>Fr.</i>	.	320a
	{ <i>A. sericeus</i> , <i>Bull.</i>	.	320b
341.	<i>A. nidorosus</i> , <i>Fr.</i>	.	321
342.	<i>A. speculum</i> , <i>Fr.</i>	.	308

Sub-Gen. 5. Clitopilus, *Fr.* Stem fleshy or fibrous, expanded upwards into the pileus, the margin of which is at first involute. Hymenophore continuous with the stem; gills equally attenuated behind, and somewhat decurrent, not seceding or sinuate.

* *ORCELLI.* Gills very decurrent. Pileus irregular, somewhat excentric, flexuous, scarcely hygrophanous, margin at first flocculose.

343.	<i>A. prunulus</i> , <i>Scop.</i>	.	322
344.	<i>A. orcella</i> , <i>Bull.</i>	.	323
345.	{ <i>A. mundulus</i> , <i>Lasch.</i>	.	375a
	{ <i>A. cretatus</i> , <i>B & Br.</i>	.	375b
346.	<i>A. popinalis</i> , <i>Fr.</i>	.	485
347.	<i>A. undatus</i> , <i>Fr.</i>	.	486
348.	<i>A. cancrinus</i> , <i>Fr.</i>	.	501

** *SERICELLI.* Pileus regular, silky, or hygrophanous, becoming silky, margin involute, naked. Gills adnate, slightly decurrent.

349.	<i>A. stilbocephalus</i> , <i>Berk.</i>	.	324
350.	„ „ variety	.	599b
349b.	<i>A. carneo-albus</i> , <i>With.</i>	.	324a
351.	<i>A. vilis</i> , <i>Fr.</i>	.	487

Sub-Gen. 6. Leptonia, *Fr.* Stem cartilaginous, tubular (the tube stuffed or hollow), polished, rather shining. Pileus thin, umbilicate, or with the disc darker, cuticle fibrillose or breaking up into darker scales, margin at first incurved. Gills at first adnexed or adnate, but readily separating. Most of the species are small; found in the summer; bright coloured, with violet tints.

* Gills whitish. Pileus somewhat fleshy, without striæ, not hygrophanous.

352.	<i>A. placidus</i> , <i>Fr.</i>	.	330
—	<i>A. lappula</i> , <i>Fr.</i>	.	—
353.	<i>A. lampropus</i> , <i>Fr.</i>	.	331
354.	{ <i>A. æthiops</i> , <i>Fr.</i>	.	332a
	{ <i>A. solstitialis</i> , <i>Fr.</i>	.	332b

** Gills at first pale or darkish blue.

355.	<i>A. serrulatus, Pers.</i>	.	.	333
356.	<i>A. euchrous, Pers.</i>	.	.	334
357.	<i>A. chalybeus, Pers.</i>	.	.	335
358.	<i>A. lazulinus, Fr.</i>	.	.	549

*** Gills dusky or becoming dark purple.

No British species.

*** Gills growing pallid, yellow, or greenish.

359.	<i>A. incanus, Fr.</i>	.	.	336
—	<i>A. formosus, Fr.</i>	.	.	—
360.	" " var. <i>suavis, Lasch.</i>	.	.	488
361.	<i>A. chloropolius, Fr.</i>	.	.	337

*** Gills grey or glaucous. Hygrophanous. Pileus somewhat striate.

—	<i>A. asprellus, Fr.</i>	.	.	—
—	<i>A. nefrens, Fr.</i>	.	.	—

Sub-Gen. 7. Molanea, Fr. Stem fistulose, rarely with a medullate tube, cartilaginous. Pileus rather membranaceous, campanulate, subpapillate, striate, or sometimes smooth, clad with flocci, margin straight, at first pressed to the stem, not involute; gills free or affixed, not decurrent. All grow on the ground.

* Gills grey or dusky. Pileus dark, hygrophanous.

362.	<i>A. pascuus, Pers.</i>	.	.	376
363.	{ <i>A. Babingtonii, B. & Br.</i>	.	.	377a
	{ <i>A. mammosus, Linn.</i>	.	.	377b
—	<i>A. junceus, Fr.</i>	.	.	—
—	<i>A. fulvo-strigosus, B & Br.</i>	.	.	—

** Gills becoming yellowish or reddish.

364.	{ <i>A. pisciodorus, Ces.</i>	.	.	378a
	{ <i>A. rufo-carneus, Berk.</i>	.	.	378b
365.	<i>A. icterinus, Fr.</i>	.	.	338

*** Gills white, then rosy. Hygrophanous.

366a.	<i>A. piceus, Kalch.</i>	.	.	379a
—	<i>A. infula, Fr.</i>	.	.	—

*** Gills whitish. Pileus not hygrophanous.

366b.	<i>A. caelestinus, Fr.</i>	.	.	379b
367.	{ <i>A. verecundus, Fr.</i>	.	.	340a
	{ <i>A. rubidus, Berk.</i>	.	.	340b

Sub-Gen. 8. Ecetilla, Fr. Stem cartilaginous, tubular (tube stuffed or hollow), expanded upwards into the rather membranaceous pileus; margin at first inflexed. Gills attenuated behind, truly decurrent.

* *Species indigenous.*

368.	{ A. Parkensis, Fr.	.	380a
	{ A. carneo-griseus, B. & Br.	.	380b
369.	A. griseo-rubellus, Lasch.	.	618a
—	A. atrides, Lasch.	.	—
—	A. nigrella, Pers.	.	—
370.	{ A. atropunctus, Pers.	.	348b
	{ A. rhodocylix, Lasch.	.	348a

** *Not truly indigenous.*

369b.	A. flosculus, Smith	.	618b
369c.	A. acus, Smith	.	618c

Sub-Gen. 9. Olandopus, Smith. Pileus excentric, lateral, or resupinate.

371.	{ A. variabilis, Pers.	.	344a
	{ A. depluens, Batsch.	.	344b
	{ A. byssisedus, Pers.	.	344c

Sect. C. *Dermini.* Spores rust-coloured, clay-coloured, tawny, or yellowish.

Sub-Gen. 1. Acetabularia, Berk. Universal veil distinct from the pileus. Hymenophore distinct from the stem. Gills free. Spores pale tawny or brown.

372.	A. acetabulosus, Sow.	.	345
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Sub-Gen. 2. Pholiota, Fr. Partial veil forming a ring.

A. HUMIGENI. Terrestrial, rarely caespitose.

* EUDERMINI. Spores ferruginous.

373.	A. aureus, Vahl.	.	346
—	" " v. VahlII, Schum.	.	—
374.	" " v. Herefordiensis, Sow.	.	347
375.	A. caperatus, Pers.	.	348
376.	A. terrigenus, Fr.	.	349
377.	A. erebius, Fr.	.	358
	(=jecorinus, B. & Br.)		
378.	A. ombrophilus, Fr.	.	359
379.	A. togularis, Bull.	.	350

** PHLOTI. Spores dusky, ferruginous.

380.	A. durus, Bolt.	.	423
381.	A. præcox, Pers.	.	360

B. YERSINII. Growing on wood or trunks;
 often *conspicua*.

- * **FERRUGINA.** Pileus naked, not squamose, but
 sometimes cracked. Gills pallid, becoming ru-
 fous or dusky.

382.	<i>A. rufescens</i> , Bull.	.	361
383.	<i>A. fulvus</i> , Fr.	.	362
384.	<i>A. leochrysum</i> , Cooke	.	363
385.	<i>A. capistratus</i> , Cooke	.	364
386.	<i>A. asperita</i> , Fr.	.	453
387.	<i>A. lutescens</i> , Fr.	.	365

- † **SQUAMOSA.** Pileus scaly, not hygrophanous. Gills
 becoming *furcose*.

† Gills not *purely ferruginous*.

388.	<i>A. conopus</i> , Fr.	.	600
389.	<i>A. heteroclitus</i> , Fr.	.	366
390.	<i>A. sarivelinus</i> , Batsch.	.	351
391.	<i>A. squamosus</i> , Mull.	.	367
392.	" " var. <i>Mulleri</i> , Fr.	.	471
393.	" " var. <i>verruculosus</i> , Lasch.	.	614
—	<i>A. subsquamosus</i> , Fr.	.	—

†† Gills *yellow*, then *pure ferruginous* or *tawny*.

394.	<i>A. spectabilis</i> , Fr.	.	352
395.	<i>A. adiposus</i> , Fr.	.	353
396.	<i>A. flammans</i> , Fr.	.	368
397.	<i>A. junonius</i> , Fr.	.	369
398.	{ <i>A. tuberculosus</i> , Fr.	.	370a
	{ <i>A. curvipes</i> , Fr.	.	370b
399.	<i>A. crenatus</i> , Che. & Sm.	.	502

- * * **HYGROPHANI.** Gills cinnamon.

—	<i>A. paxillus</i> , Fr.	.	—
400.	<i>A. dissimulans</i> , Berk.	.	371
401.	<i>A. Cookei</i> , Fr.	.	354
—	<i>A. confragosus</i> , Fr.	.	—
402.	<i>A. mutabilis</i> , Schaff.	.	355
403.	<i>A. marginatus</i> , Batsch.	.	372
404.	{ <i>A. mustelinus</i> , Fr.	.	356a
	{ <i>A. unicolor</i> , Fl. Dan.	.	356b

C. MUSCICOLI. Hygrophanous. Analogous to
Galera, with a ring.

405.	{ <i>A. pumilus</i> , Fr.	.	503a
	{ <i>A. mycenoides</i> , Fr.	.	503b

Sub-Gen. 3. Inocybe, Fr. Universal veil fibrillose, concrete with the cuticle of the pileus; margin often free, and like a cobweb. Gills somewhat sinuate (but also adnate, and rarely decurrent), discoloured, not powdery. Spores often rough.

* **SQUARROSI.** Pileus squarrose from the first; stem scaly, of the same colour.

406.	<i>A. hystrix, Fr.</i>	.	424
—	<i>A. relicinus, Fr.</i>	.	—
407.	<i>A. calamistratus, Fr.</i>	.	389
408.	{ <i>A. lanuginosus, Bull.</i>	.	582a
	{ <i>A. dulcamarus, A. & S.</i>	.	582b
409.	{ <i>A. plumosus, Bolt.</i>	.	425a
	{ <i>A. cincinnatus, Fr.</i>	.	425b
410.	<i>A. hæmactus, B. & Cke.</i>	.	390

* **LACERI.** Pileus squamose or torn into fibrils (not cracked); stem coloured, paler than the pileus, and fibrillose.

411.	<i>A. pyriodorus, Pers.</i>	.	472
412.	<i>A. incarnatus, Bres.</i>	.	473
413.	<i>A. scaber, Mull.</i>	.	391
414.	<i>A. maritimus, Fr.</i>	.	392
415.	<i>A. lacerus, Fr.</i>	.	583
416.	<i>A. flocculosus, Berk.</i>	.	393
417.	<i>A. Bongardi, Weinm.</i>	.	381
418.	<i>A. muticus, Fr.</i>	.	382
419.	<i>A. carptus, Scop.</i>	.	426
420.	<i>A. deglubens, Fr.</i>	.	394
421.	<i>A. obscurus, Pers.</i>	.	427
422.	<i>A. echinatus, Roth.</i>	.	395
	(= <i>Hookeri</i> , Kl.)		

* * **RIMOSI.** Pileus longitudinally fibrous, soon cracked, and sometimes adpressedly squamose; stem becoming whitish, slightly tinged with the colour of the pileus, fibrillose.

423.	<i>A. schistus, Cooke</i>	.	504
424.	<i>A. fibrosus, Sow.</i>	.	454
425.	<i>A. phæocephalus, Bull.</i>	.	396
426.	<i>A. fastigiatus, Schaff.</i>	.	383
427.	<i>A. hiulcus, Fr.</i>	.	397
428.	<i>A. Curreyi, Berk.</i>	.	398
429.	<i>A. rimosus, Bull.</i>	.	384
430.	<i>A. asterosporus, Quelet</i>	.	385
431.	<i>A. eutheles, B. & Br.</i>	.	386
432.	<i>A. margarisporea, Berk.</i>	.	505
433.	<i>A. dstrictus, Fr.</i>	.	387
434.	<i>A. perbrevis, Weinm.</i>	.	519

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435. { *A. descissus*, Fr. . . . 428
 " var. *auricomus*, Batsch. —
 A. Trinii, Weism. . . . 428
- ☞ VELUTINI. Pileus not rimose, cuticle interwoven, fibrillose, becoming smooth, or adpressedly squamose, disc even, stem polished, smooth, becoming whitish, mealy at the apex.
436. *A. sambucinus*, Fr. . . . 399
 437. *A. cesariatus*, Fr. . . . 388
 438. *A. sindonium*, Fr. . . . 400
 439. *A. lucifugus*, Fr. . . . 429a
 — *A. Clarkii*, B. & Br. . . . 429b
 440. *A. geophyllus*, Sow. . . . 401
 441. *A. scabellus*, Fr. . . . 402
 442. *A. Remyi*, B. & Br. . . . 520

☞ VISCIDA. Pileus becoming smooth, viscid.

443. { *A. trechisporus*, Berk. . . . 403a
 A. vatricosus, Fr. . . . 403b
 444. { *A. Whitei*, B. & Br. . . . 404a
 A. tricholoma, A. & S. . . . 404b

Sub-Gen. 4. Hebelema, Fr. Partial veil fibrillose or obsolete. Stem fleshy, fibrous. Apex somewhat mealy. Pileus at first incurved at the margin. Gills sinuate, adnexed, edge more or less of a different colour, whitish. Cuticle of the pileus continuous, smooth, rather viscid. Spores clay-coloured.

* INDUSIATI. Cortinate by the manifest veil, which often renders the margin of the pileus superficially silky.

445. *A. mussivus*, Fr. . . . 405
 446. *A. fastibilis*, Fr. . . . 406
 447. *A. senescens*, Batsch. . . . 407
 448. *A. glutinosus*, Lind. . . . 430
 449. *A. testaceus*, Batsch. . . . 408
 450. *A. firmus*, Pers. . . . 409
 451. *A. claviceps*, Fr. . . . 410
 — *A. punctatus*, Fr. . . . —
 — *A. versipellis*, Fr. . . . —
 452. *A. mesophæus*, Fr. . . . 411
 453. " " var. *minor*. . . . 412
 454. *A. subcollariatus*, B. & Br. . . . 506

☞ NUDATI. Pileus smooth, cortinate, veil absent.

455. *A. sinapizans*, Fr. . . . 413

456.	<i>A. crustuliniformis</i> , <i>Bull.</i>	. 507
457.	" " var. <i>minor</i>	. 414
—	<i>A. elatus</i> , <i>Batsch.</i>	. —
458.	<i>A. longicaudus</i> , <i>Pers.</i>	. 415
459.	" " var. <i>radicatus</i> , <i>Cke.</i>	. 416
—	<i>A. lugens</i> , <i>Jungh.</i>	. —
460.	<i>A. truncatus</i> , <i>Schæff.</i>	. 417
461.	<i>A. nudipes</i> , <i>Fr.</i>	. 418
462.	<i>A. capnocephalus</i> , <i>Bull.</i>	. 419
463.	<i>A. ischnostylus</i> , <i>Cooke</i>	. 420

** **PUSILLI.** Pileus scarcely an inch broad.

464.	{ <i>A. magnimamma</i> , <i>Fr.</i>	. 508a
	{ <i>A. petiginosus</i> , <i>Fr.</i>	. 508b

Sub-Gen. 5. Flammula, *Fr.* Veil fibrillose, or wanting. Stem fleshy, fibrous, not mealy above. Pileus fleshy, margin at first involved (or folded in). Gills decurrent or adnate, without a sinus, commonly quite entire, of one colour.

* **GYMNOTI.** Veil none, pileus dry, often squamulose.

465.	<i>A. gymnopodius</i> , <i>Fr.</i>	. 431
466.	<i>A. vinosus</i> , <i>Bull.</i>	. 437
467.	{ <i>A. floccifer</i> , <i>B. & Br.</i>	. 438a
	{ <i>A. decipiens</i> , <i>Sm.</i>	. 438b
468.	<i>A. clitopilus</i> , <i>Cooke</i>	. 500

** **LUBRICI.** Pileus clad with a continuous, somewhat separable, smooth, viscid pellicle, veil manifest, fibrillose; spores ferruginous. Gregarious, terrestrial, rarely growing on wood.

469.	<i>A. lentus</i> , <i>Pers.</i>	. 439
470.	" " " var.	. 440
—	<i>A. lubricus</i> , <i>Fr.</i>	. —
—	<i>A. lupinus</i> , <i>Fr.</i>	. —
471.	<i>A. mixtus</i> , <i>Fr.</i>	. 474
472.	<i>A. juncinus</i> , <i>Sm.</i>	. 475
473.	<i>A. gummosus</i> , <i>Lasch.</i>	. 441
474.	<i>A. spumosus</i> , <i>Fr.</i>	. 476
475.	<i>A. carbonarius</i> , <i>Fr.</i>	. 442

** **UDI.** Cuticle of the pileus continuous, not distinct or separable, smooth, after rain moist, or rather viscid; cortina manifest, appendiculate.

476.	<i>A. filius</i> , <i>Fr. Ic.</i>	. 432
477.	<i>A. fusus</i> , <i>Batsch.</i>	. 433
478.	" " variety	. 434
479.	<i>A. astragalinus</i> , <i>Fr.</i>	. 435
480.	<i>A. alnicola</i> , <i>Fr.</i>	. 443

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|--|--|---|---|------|
| 481. | <i>A. flavidus</i> , <i>Schæff.</i> | . | . | 444 |
| 482. | <i>A. inauratus</i> , <i>Sm.</i> | . | . | 477 |
| 483. | <i>A. conissans</i> , <i>Fr.</i> | . | . | 445 |
| 484. | <i>A. inopus</i> , <i>Fr.</i> | . | . | 446 |
| 485. | <i>A. apicreus</i> , <i>Fr.</i> | . | . | 436 |
| ** SAPINEI. Pileus scarcely pelliculose (but the flesh is easily cut, or in the upper part torn into scales), not viscid (at first with a slight bloom), veil fibrillose, adpressed to the stem, not appendiculate, generally absent, or forming a ring round the stem. Subcaespitose, growing on conifers. | | | | |
| 486. | <i>A. hybridus</i> , <i>Fr.</i> | . | . | 615 |
| 487. | <i>A. sapineus</i> , <i>Fr.</i> | . | . | 447 |
| 488. | <i>A. picreus</i> , <i>Fr.</i> | . | . | 448 |
| *** SERICELLI. Cortinate, cuticle of the pileus silky, dry, or at first viscid. | | | | |
| 489. | <i>A. ochrochlorus</i> , <i>Fr.</i> | . | . | 616 |
| 490. | { <i>A. helomorphus</i> , <i>Fr.</i> | . | . | 449a |
| | { <i>A. scambus</i> , <i>Fr.</i> | . | . | 449b |
| 491. | <i>A. filiceus</i> , <i>Cooke</i> | . | . | 450 |
| Sub-Gen. 6. <i>Maucoria</i>, <i>Fr.</i> Veil none, or fugacious, squamulose. Stem cartilaginous, fistulose or spongy. Pileus more or less fleshy, convexo-plane or conical, margin at first inflexed. Gills free or adnate, not decurrent. | | | | |
| a. GYMNOTI. Pileus smooth. Veil none. Spores ferruginous, but not becoming dingy . | | | | |
| * <i>Gills free, or slightly adnexed.</i> | | | | |
| — — | <i>A. lugubris</i> , <i>Fr.</i> | . | . | — — |
| — — | <i>A. hamadryas</i> , <i>Fr.</i> | . | . | — — |
| 492. | <i>A. cidaris</i> , <i>Pers.</i> | . | . | 451 |
| 493. | <i>A. cucumis</i> , <i>Pers.</i> | . | . | 452 |
| 494. | <i>A. anguineus</i> , <i>Fr.</i> | . | . | 455 |
| 495. | { <i>A. centunculus</i> , <i>Fr.</i> | . | . | 601a |
| | { <i>A. horizontalis</i> , <i>Fr.</i> | . | . | 601b |
| | { <i>A. rimulincola</i> , <i>Lasch.</i> | . | . | 509b |
| 496. | { <i>A. semiflexus</i> , <i>B. & Br.</i> | . | . | 509a |
| | { <i>A. rubricatus</i> , <i>B. & Br.</i> | . | . | 509c |
| ** <i>Gills adnate, pileus convexo-plane.</i> | | | | |
| 497. | <i>A. abstrusus</i> , <i>Fr.</i> | . | . | 456 |
| 498. | { <i>A. innocuus</i> , <i>Lasch.</i> | . | . | 489a |
| | { <i>A. cerodes</i> , <i>Fr.</i> | . | . | 489b |
| 499. | { <i>A. melinoides</i> , <i>Fr.</i> | . | . | 457a |
| | { <i>A. pusiolus</i> , <i>Fr.</i> | . | . | 457b |

** *Gills adnate, pileus campanulate, then expanded.*

500.	{ <i>A. nuceus</i> , <i>Bolt.</i> . . .	490 <i>a</i>
	{ <i>A. glandiformis</i> , <i>Smith</i> . . .	490 <i>b</i>
501.	{ <i>A. badipes</i> , <i>Pers.</i> . . .	491 <i>a</i>
	{ <i>A. scolecinus</i> , <i>Fr.</i> . . .	491 <i>b</i>
502.	<i>A. striæpes</i> , <i>Cooke</i> . . .	478
503.	{ <i>A. sideroides</i> , <i>Bull.</i> . . .	458 <i>a</i>
	{ <i>A. triscopus</i> , <i>Fr.</i> . . .	458 <i>b</i>

b. PHÆOTI. Pileus naked, gills and spores dingy, ferruginous. Veil potential, but rarely manifest.

* *PEDIADEI. Growing in cultivated fields.*

504a.	<i>A. vervacti</i> , <i>Fr.</i> . . .	617 <i>a</i>
505.	<i>A. pediades</i> , <i>Fr.</i> . . .	492
506.	<i>A. arvalis</i> , <i>Sm.</i> . . .	479
507.	{ <i>A. semiorbicularis</i> , <i>Bull.</i> . . .	493 <i>a</i>
	{ <i>A. tabacinus</i> , <i>D.C.</i> . . .	493 <i>b</i>

** *SCORPIOIDEI. Growing in woods, and moist uncultivated places.*

504b.	<i>A. tenax</i> , <i>Fr.</i> . . .	617 <i>b</i>
508.	<i>A. myosotis</i> , <i>Fr.</i> . . .	494
509.	<i>A. temulentus</i> , <i>Fr.</i> . . .	459
510.	<i>A. latissimus</i> , <i>Cke.</i> . . .	482

c. LEPIDOTI. Pileus flocculose or squamulose. Veil manifest. Spores ferruginous.

* *Pileus clad with fugitive superficial scales.*

511.	<i>A. porriginosus</i> , <i>Fr.</i> . . .	510
512.	{ <i>A. sobrius</i> , <i>Fr.</i> . . .	511 <i>a</i>
	{ „ „ var. <i>dispersus</i> , <i>Pers.</i> . . .	511 <i>b</i>

** *Pileus innate-squamulose.*

513.	{ <i>A. erinaceus</i> , <i>Fr.</i> . . .	480 <i>a</i>
	{ <i>A. siparius</i> , <i>Fr.</i> . . .	480 <i>b</i>
514.	{ <i>A. conspersus</i> , <i>Fr.</i> . . .	512 <i>a</i>
	{ <i>A. escharoides</i> , <i>Fr.</i> . . .	512 <i>b</i>

** *Pileus destitute of scales, silky or atomate.*

515.	{ <i>A. carpophilus</i> , <i>Fr.</i> . . .	513 <i>a</i>
	{ <i>A. graminicola</i> , <i>Nees.</i> . . .	513 <i>b</i>

Sub-Gen. 7. Pluteolus, Fr. Pileus rather fleshy, viscid, conical or campanulate, then expanded, margin at first straight, adpressed to the stem. Stem somewhat cartilaginous, distinct from the hymenophore. Gills free, rounded behind.

516.	<i>A. reticulatus</i> , <i>P.</i> . . .	495
—	<i>A. aleuriatus</i> , <i>Fr.</i> . . .	—

Sub-Gen. 8. *Caloma*, Fr. Veil none, or fibrillose, stem somewhat cartilaginous, continuous with the hymenophore, tubular. Pileus more or less membranaceous, conical or bell-shaped, expanded, striate, margin at first straight, joined to the stem. Gills not decurrent.

- * **COSMOGRAPHI.** Pileus conic-campanulate, hygrophanous, nearly even, aromatic when dry. Stem straight, gills ascending. Veil none.

517.	<i>A. lateritius</i> , Fr.	.	460
518.	<i>A. tener</i> , Schaff.	.	461
519.	<i>A. ovalis</i> , Fr.	.	462
520.	{ <i>A. antiqua</i> , Lasch.	.	463a
	{ <i>A. coarctatus</i> , Bolt.	.	463b
521.	{ <i>A. spartens</i> , Fr.	.	481a
	{ <i>A. pyramo-affinis</i> , Fr.	.	481b

- ** **BARTOLII.** Pileus membranaceous, campanulate, striate, smooth, hygrophanous, when dry even, opaque, rather silky; stem thin, flexile; gills broad, adnate. Growing on moss.

522.	{ <i>A. vitiformis</i> , Fr.	.	464a
	{ <i>A. rutiginosus</i> , Pers.	.	464b
523.	<i>A. hypnorum</i> , Butsch.	.	465
—	" " var. <i>bryorum</i> .	.	—
—	" " var. <i>sphagnorum</i> .	.	—
524.	{ <i>A. micophilus</i> , Fr.	.	466a
	{ <i>A. minutus</i> , Quel.	.	466b

- ** **ERIODERMII.** Pileus somewhat membranaceous.

- * Veil manifest, superficial, fugitive, at first chiefly about the margin silky or squamulose.

525.	{ <i>A. ravidus</i> , Fr.	.	467a
	{ <i>A. mycenopsis</i> , Fr.	.	467b

Sub-Gen. 9. *Tubaria*, Smith. Stem subcartilaginous, fistulose. Pileus rather membranaceous, often clad with the floccose universal veil. Gills subdecurrent, broadest behind, triangular.

- * **GENUINI.** Spores ferruginous.

526.	<i>A. cupularis</i> , Bull.	.	602
527.	<i>A. furfuraceus</i> , Pers.	.	603
528.	" " var. <i>trigonophyllus</i> , Fr.	.	483
529.	<i>A. paludosus</i> , Fr.	.	484
530.	<i>A. stagninus</i> , Fr.	.	468
—	<i>A. pellucidus</i> , Bull.	.	—
531.	{ <i>A. embolus</i> , Fr.	.	514a
	{ <i>A. autochthonus</i> , B. & Br.	.	514b

** **РЪЖОТИ.** *Spores dusky ferruginous.*

532.	<i>A. crobulus, Fr.</i>	.	.	496
533.	<i>A. inquilinus, Fr.</i>	.	.	497
—	„ „ var. <i>ecbolus, Fr.</i>	.	.	—

Sub-Gen. 10. Crepidotus, Fr. Variable in size, irregular, without manifest veil. Pileus excentric, lateral, or resupinate. Spores ferruginous.

—	<i>A. palmatus, Bull.</i>	.	.	—
534.	<i>A. alveolus, Lasch.</i>	.	.	499a
535.	<i>A. mollis, Schæff.</i>	.	.	498
—	<i>A. applanatus, Pers.</i>	.	.	—
534b.	<i>A. calolepis, Fr.</i>	.	.	499b
536.	<i>A. haustellaris, Fr.</i>	.	.	515a
	<i>A. Phillipsii, B. & Br.</i>	.	.	515c
	<i>A. rubi, Berk.</i>	.	.	515b
	<i>A. chimonophilus, B. & Br.</i>	.	.	515a
537.	<i>A. Ralfsii, B. & Br.</i>	.	.	516d
	<i>A. epibryus, Fr.</i>	.	.	516c
	<i>A. pezizoides, Nees.</i>	.	.	516d
	<i>A. epigæus, Pers.</i>	.	.	516a

Sect. D. Pratelli. Spores blackish-purple or purplish-brown.

Sub-Genus 1. Psalliota, Fr. Stem annulate, distinct from the hymenophore. Gills free.

* **EDULES.** Large, fleshy.

538.	<i>A. augustus, Fr.</i>	.	.	521
539.	<i>A. elvensis, B. & Br.</i>	.	.	522
540.	<i>A. arvensis, Schæff.</i>	.	.	523
541.	„ var. <i>purpurascens, C.</i>	.	.	584
542.	<i>A. cretaceus, Fr.</i>	.	.	524
543.	<i>A. pratensis, Schæff.</i>	.	.	525
544.	<i>A. campestris, Linn.</i>	.	.	526
545.	„ var. <i>hortensis</i>	.	.	527
546.	{ „ var. <i>costatus</i>	.	.	528a
	{ „ var. <i>exannulatus</i>	.	.	528b
547.	„ var. <i>sylvicola, Vitt.</i>	.	.	529
548.	„ var. <i>villaticus, Brond.</i>	.	.	585
549.	<i>A. silvaticus, Schæff.</i>	.	.	530
550.	<i>A. hæmorrhoidarius, Kalch.</i>	.	.	531
551.	<i>A. subgibbosus, Fr.</i>	.	.	532

** **MINORES.** Pileus thinly fleshy.

552.	<i>A. comtulus, Fr.</i>	.	.	533
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Sub-Gen. 2. Filoseae, Fr. Hymenophore distinct from the stem. Gills free, and at first remote from the stem. Without ring or volva.

553. *A. Algeriensis, Fr.* . . . 618

Sub-Gen. 3. Stropharia, Fr. Hymenophore continuous with the stem. Veil annulate, gills more or less adnate.

A. VISCIPELLES. Pileus with a smooth or squamose, often viscid pellicle.

* *Mundi. Not growing on dung.*

554. *A. Percevalii, B. & Br.* . . . 550

555. *A. aeruginosus, Curt.* . . . 551

556. *A. albo-cyaneus, Desm.* . . . 552

557. *A. inunctus, Fr.* . . . 554

558. *A. coronillus, Bull.* . . . 555

559. *A. melaspermus, Bull.* . . . 556

560. *A. squamosus, Fr.* . . . 553

561. *A. thraustus, Kalch.* . . . 554

562. " var. *aurantiacus, C.* 555

563. *A. Worthingtonii, Fr.* . . . 556

** *Merdarii. Ring often incomplete.*

564. *A. luteo-nitens, Fr.* . . . 604

565. *A. merdarius, Fr.* . . . 537

566. *A. stercorarius, Fr.* . . . 538

567. *A. semiglobatus, Batsch.* . . . 539

B. SPINTRIGERI. Pileus without pellicle, but innately fibrillose, not viscid.

568. *A. caput-medusæ, Fr.* . . . 540

— *A. scobinaceus, Fr.* . . . —

569. *A. Jerdoni, B. & Br.* . . . 541

570. *A. spintriger, Fr.* . . . 542

571. *A. hypsipus, Fr.* . . . 619

Sub-Gen. 4. Hypholema, Fr. Hymenophore continuous with the stem; veil interwoven in a web, adhering in fragments to the margin of the pileus. Pileus more or less fleshy; margin at first incurved. Gills adnate or sinuate.

* FASCICULARES. Pileus tough, smooth, brightly coloured when dry, not hygrophanous.

— *A. silaceus, Pers.* . . . —

572. *A. sublateritius, Schaff.* . . . 557

573. " var. *squamosus, C.* . . . 558

" var. *Schæfferi, Fr.* . . . —

574. *A. capnoides, Fr.* . . . 559

575. *A. epixanthus, Fr.* . . . 560

576. *A. fascicularis, Huds.* . . . 561

577. " var. *elsodes, Bull.* . . . 562

578. *A. dispersus, Fr.* . . . 586

**** VISCIDI.** Pileus ²ed, viscid.579. *A. œdipus*, *Cooke* . . . 587a***** VELUTINI.** Pileus silky, or virgate with innate fibrils.— *A. storea*, *Fr.* . . . —580. „ var. *cæspitosus*, *C.* . . . 543581. *A. lacrymabundus*, *Fr.* . . . 566582. *A. velutinus*, *Pers.* . . . 563583. *A. pyrotrichus*, *Holms.* . . . 564**** FLOCCULOSI.** Pileus clad with floccose, superficial evanescent scales.584. *A. cascus*, *Fr.* . . . 544579b. *A. punctulatus*, *Kalch.* . . . 587b***** APPENDICULATI.** Pileus smooth, hygrophanous.585. *A. lanaripes*, *Cooke* . . . 545586. *A. Candolleanus*, *Fr.* . . . 546587. *A. appendiculatus*, *Bull.* . . . 547588. *A. leucotephrus*, *B. & Br.* . . . 548589. { *A. egenulus*, *B. & Br.* . . . 605a{ *A. hydrophilus*, *Bull.* . . . 605b

Sub-Gen. 5. Psilocybe, *Fr.* Veil not manifest, at least not interwoven. Stem rather cartilaginous, rigid or tough, tubular, hollow or stuffed, often rooting. Pileus more or less fleshy, smooth; margin at first incurved; gills becoming brownish or purplish.

A. TENACES. Veil accidental, rarely conspicuous; stem hard, flexible, often coloured; pileus pelliculose, often rather viscid when moist, growing pale.

*** Gills ventricose, not decurrent.**590. *A. sarcocephalus*, *Fr.* . . . 567

591. „ variety . . . 620

592. *A. ericæus*, *Pers.* . . . 568593. *A. subericæus*, *Fr.* . . . 588594. *A. udus*, *Pers.* . . . 569595. *A. canofaciens*, *Cooke* . . . 621596. *A. areolatus*, *Klotsch.* . . . 570597. *A. agrarius*, *Fr.* . . . 622598. *A. scobicola*, *B. & Br.* . . . 607599. *A. chondrodermus*, *B. & Br.* . . . 606a**** Gills plane, very broad behind, subdecurrent.**599b. *A. ammophilus*, *DR. & M.* . . . 606b600. { *A. coprophilus*, *Bull.* . . . 608a{ *A. bullaceus*, *Bull.* . . . 608b601. { *A. physaloides*, *Bull.* . . . 609a{ *A. nucisedus*, *Fr.* . . . 609b602. *A. atro-rufus*, *Schæff.* . . . 571

*** Gills almost linear, ascending.

603. *A. comptus*, *Fr.* . . . 589a
 604. *A. semi-lanceatus*, *Fr.* . . . 572
 605. „ var. *cœrulescens*, *C.* 573

C. RIGIDI. Veil none. Stem rigid. Pileus scarcely pelliculose, but flesh easily cut, hygrophanous. Gills adnexed, very rarely adnate.

606. *A. spadiceus*, *Fr.* . . . 610
 — „ var. *hygrophilus*, *Fr.* . . . —
 — „ var. *polycephalus*, *Fr.* . . . —
 607. *A. cernuus*, *Fl. Dan.* . . . 574
 608b. *A. hebes*, *Fr.* . . . 589b
 608. *A. fœnisecii*, *Pers.* . . . 590
 — *A. clivensis*, *B. & Br.* . . . —

Sub-Gen. 6. *Psathyra*, *Fr.* Veil none, or only universal, floccose-fibrillose. Stem rather cartilaginous, fistulose, polished, fragile. Pileus conical or campanulate, membranaceous. Margin at first straight, adpressed to the stem. Gills purplish or brownish. Slender, fragile, hygrophanous.

* CONOPILEI. Pileus conic-campanulate. Gills ascending, adnexed, often free. Stem stiff, veil none.

609. *A. conopileus*, *Fr.* . . . 575
 610. { *A. mastiger*, *B. & Br.* . . . 591a
 { *A. glareosus*, *B. & Br.* . . . 591b
 611. *A. corrugis*, *Pers.* . . . 576
 612. „ var. *vinosus*, *Corda* . . . 592
 613. *A. pellosperrmus*, *Bull.* . . . 577

** OBTUSATI. Pileus campanulate-convex, flattened, smooth or atomate. Gills plane or arcuate adfixed; veil none.

614. *A. spadiceo-griseus*, *Schaff.* . . . 611
 615. *A. obtusatus*, *Fr.* . . . 593

*** FIBRILLOSI. Pileus and stem floccose or fibrillose from the universal veil.

616. { *A. bifrons*, *B. & Br.* . . . 594a
 { „ var. *semi-tinctus*, *Phil.* 594b
 617. *A. semi-vestitus*, *B. & Br.* . . . 578
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